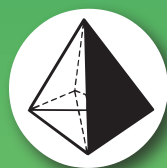


# Pesticide Standards Guide



AccuStandard®

AccuStandard offers a wide range of neat, or single and multiple component solution Certified Reference Materials (CRMs) that will help meet your lab's needs for Pesticide testing. Our product line for pesticide products includes thousands of high-quality CRMs that meet the requirements of test methods published by different regulatory bodies and regions such as USEPA, ASTM, Canada, Europe and Asia. Also included are calibration mixtures that can be used for a wide range of residual pesticide analysis in different matrices such as fruit, vegetables and cannabis.

Choose from over 1200 individual pesticide and herbicide compounds, including carbamates, organophosphates, trazines and trazinones, neonicotinoids and fipronils. You can search our website by CAS number to find the CRM you need.

## Over 1,200 Pesticide Standards from Abamectin to Ziram

### Can't find a Pesticide?

CAS, common name and catalog number indices are located in the back pages.

Still can't find a pesticide? Contact us at [techservice@accustandard.com](mailto:techservice@accustandard.com) or visit our website at [www.accustandard.com](http://www.accustandard.com).

## Purchased Standards vs In-house Standards

**Safety** - AccuStandard's ready to use CRMs reduce your lab personnel's exposure to chemicals. Using bulk neat to prepare your own standards may involve handling dangerous chemicals and following special safety protocols.

**Certification** - Many laboratories are required to use independently produced reference standards. AccuStandard is accredited to ISO 17034 for the preparation and certification of reference materials.

**Technical Support** - Experienced and knowledgeable product support team available to provide technical advice and assist when needed.

**Cost effective** - Purchasing bulk neat of pesticides and making solutions in-house is usually more expensive than using a pre-made solutions due to storage and disposal expenses.



**ISO 17034 • 17025 • 9001**



### Custom Formulations

Custom Standards are an efficient way to meet your unique testing requirements if none of our catalog products meet your specific needs. With decades of expertise in formulating chemical reference standards, our chemists are able to design products that are uniquely manufactured to help you meet your testing requirements. Custom standards are formulated and prepared following our rigorous ISO 17034 and ISO 17025 accredited quality procedures. Our technical Service team is available to provide support to ensure the product will be the best fit for your needs.



### Individual Pesticides

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Visit our website for the latest pesticide updates  
<https://www.accustandard.com/pesticide-standards>  
**Custom Formulations**  
<https://www.accustandard.com/custom-quote-request>



## Individual Pesticide section

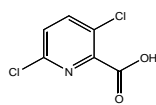
**Pesticides can have many different trade names if you can't find a specific pesticide compound, search in the pesticide name or CAS indexes in the back.**

### Pesticide Name

Chemical Name and/or IUPAC  
Structure  
Common/Trade Names  
(or Synonyms)

### Lontrel

3,6-Dichloropyridine-2-carboxylic acid



*Clopyralid*

### Property

**CAS** Chemical Abstract Service  
**MF** Molecular Formula  
**MW** Molecular Weight  
**PS** Physical State (Solid, Liquid)  
**SG** Specific Gravity (g/cm<sup>3</sup>)  
**MP** Melting Point (°C)  
**BP** Boiling Point (°C)  
**FP** Flash Point (°C)

**CAS** 1702-17-6 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 192 **PS** S  
**SG** 1.61 g/cm<sup>3</sup> **MP** 151-153 C  
**SOL** M,A,D,CN,EA,H,W

Matrix	Cat. No.	Unit
NEAT	P-224N	10 mg
100 µg/mL in MeOH	P-224S ▲	1 mL

### Catalog No. solvent key:

Unmarked solutions are in methanol

▲ May esterify in methanol

Acetone (-A)	Ethyl acetate (-EA)	Methyl cellosolve (-MC)
Acetonitrile (-CN)	Hexane (-H)	Toluene (-T)
Dimethyl sulfoxide (-DMSO)	Isooctane (-TP)	Water (-W)

Information, such as physical properties, is provided for reference only. AccuStandard makes no warranty, representation, or guarantee as to the content, accuracy, or completeness of this data.

### SOL Solubility

<b>A</b> Acetone	<b>IPA</b> Isopropanol
<b>CN</b> Acetonitrile (ACN)	<b>M</b> Methanol (MeOH)
<b>D</b> Dichloromethane (CH <sub>2</sub> Cl <sub>2</sub> )	<b>MC</b> Methyl cellosolve
<b>DMSO</b> Dimethyl sulfoxide	<b>T</b> Toluene
<b>EA</b> Ethyl acetate	<b>TP</b> Isooctane
<b>H</b> Hexane	<b>W</b> Water

**Solvent Miscibility, Density, and Boiling Point Table located on inside back cover**

## Usage and Handling of Neat CRMs

### Pesticide Neat CRMs can be either:

- Nominal weight: Standard is overfilled by approximately 10% and exact amount is NOT provided.
- Exact weight: Standard is filled with a known amount of material and a printout of the exact weight is provided.

### How to prepare a pesticide standard using AccuStandard's pesticide neat CRMs

NOTE: Small amounts (5-10 mg) of powder often are spread over the surface of the vial and cap. If the chemical is a liquid, it may coat the walls as a thin layer invisible to the eye. To recover all of the contents contained in a vial of neat material, please use the procedure described below.

1. Wipe the outside of the vial (containing the standard) clean and dry (including the cap).
2. Weigh the entire unit on an analytical balance. Record the weight to the nearest 0.1 mg.
3. Carefully transfer the contents to a volumetric flask using a suitable solvent. Rinse the cap and vial several times to assure a complete transfer.
4. Dry inside and outside of the vial and cap with mild heat or inert gas.
5. Weigh the empty dry vial on the same analytical balance to the nearest 0.1 mg and calculate by difference the amount of material transferred.



### Exact Weight for neat pesticides

Neat pesticides are typically overfilled by approximately 10%, however, an exact weight is available for an additional charge. Specify X-WT when placing the order to take advantage of this service. A printout of the exact weight will be attached to the product label. Rinse the pesticide out of the vial with the desired solvent and dilute to volume to get a weight/volume standard.

## Quality

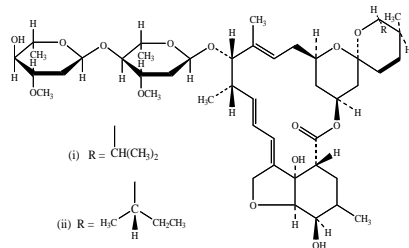
AccuStandard is committed to provide world-class quality standards through our compliance with the International Organization for Standardization (ISO) requirements for ISO17034:2016, ISO/IEC 17025:2017 and ISO9001:2015. Our scope of accreditation includes the manufacturing of a wide range of Chemical Reference Materials (CRMs). We follow meticulously designed procedures to ensure our products are prepared, verified, and delivered with accuracy and integrity. Over 95% of our products are included under our ISO17034:2016 scope. We take pride in our products and strive to offer our customers the highest quality CRMs, reliable documentation and exceptional customer support.



# Individual Pesticides

## Abamectin

Mix isomers



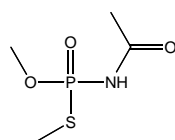
*Affirm, Avid*

**CAS** 71751-41-2 **MF** C<sub>48</sub>H<sub>72</sub>O<sub>14</sub> / C<sub>47</sub>H<sub>70</sub>O<sub>14</sub> **PS** S  
**MW** 873.0 / 859.06 **SG** 1.18 g/cm<sup>3</sup> **MP** 150-155 °C  
**FP** >150 °C **SOL** T,A,M,EA,D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-615N	10 mg
100 µg/mL in MeOH	P-615S	1 mL
1000 µg/mL in ACN	P-615S-CN-10X	1 mL

## Acephate

O,S-Dimethyl acetylphosphoramidothioate



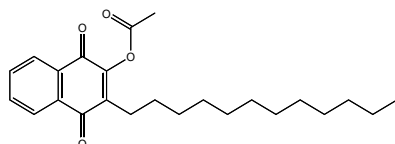
*Orthene*

**CAS** 30560-19-1 **MF** C<sub>4</sub>H<sub>10</sub>NO<sub>3</sub>PS **MW** 183.17  
**PS** S **SG** 1.35 g/cm<sup>3</sup> **MP** 88-89 °C  
**SOL** M,A,D,H,CN,TP,EA,T

Matrix	Cat. No.	Unit
NEAT	P-200N	10 mg
100 µg/mL in Acetone	P-200S-A	1 mL
1000 µg/mL in Acetone	P-200S-A-10X	1 mL
1000 µg/mL in ACN	P-200S-CN-10X	1 mL

## Acequinocyl

2-(Acetoxy)-3-dodecyl-1,4-naphthalenedione

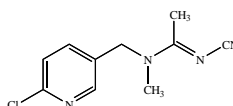


**CAS** 57960-19-7 **MF** C<sub>24</sub>H<sub>32</sub>O<sub>4</sub> **MW** 384.51 **PS** S  
**SG** 1.13 g/cm<sup>3</sup> **MP** 59-60 °C **BP** Decomp. 200 °C  
**SOL** H,T,D,A,M,EA,IPA,CN,DMSO

Matrix	Cat. No.	Unit
NEAT	P-1037N	10 mg
100 µg/mL in ACN	P-1037S-CN	1 mL

## Acetamiprid

N-((6-Chloro-3-pyridinyl)methyl)-N'-cyano-N-methylethanimidamide

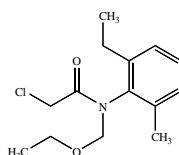


**CAS** 135410-20-7 **MF** C<sub>10</sub>H<sub>11</sub>ClN<sub>4</sub> **MW** 222.67  
**PS** S **SG** 1.33 g/cm<sup>3</sup> **MP** 98-99 °C **BP** Decomp.  
 200 °C **FP** 167 °C **SOL** M,A,D,CN,EA,H

Matrix	Cat. No.	Unit
NEAT	P-820N	10 mg
100 µg/mL in ACN	P-820S-CN	1 mL
1000 µg/mL in ACN	P-820S-CN-10X	1 mL

## Acetochlor

2-Chloro-N-ethoxymethyl-6'-ethylacet-o-toluidide

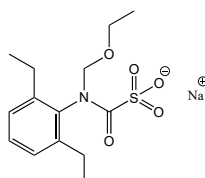


**CAS** 34256-82-1 **MF** C<sub>14</sub>H<sub>20</sub>ClNO<sub>2</sub> **MW** 269.77  
**PS** L **SG** 1.12 g/cm<sup>3</sup> **BP** 134 °C (0.4mm Hg)  
**FP** >93 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-465N	10 mg
100 µg/mL in MeOH	P-465S	1 mL
1000 µg/mL in MeOH	P-471S-10X	1 mL

## Acetochlor ESA sodium salt

Sodium 2-[(ethoxymethyl)(2-ethyl-6-methylphenyl)amino]-2-oxo-ethanesulfonate

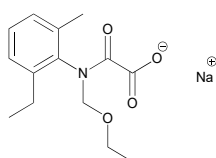


**CAS** 187022-11-3 **MF** C<sub>13</sub>H<sub>18</sub>NNaO<sub>5</sub>S **MW** 323  
**PS** S **SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-911S	1 mL

## Acetochlor OA sodium salt

Sodium [(ethoxymethyl)(2-ethyl-6-methylphenyl)amino]-oxo-acetate

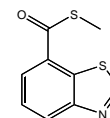


**CAS** N/A **MF** C<sub>14</sub>H<sub>20</sub>NNaO<sub>5</sub>S **MW** 337.37 **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-912S	1 mL

## Acibenzolar-S-methyl

1,2,3-Benzothiadiazole-7-carbothioicacid, S-methyl ester

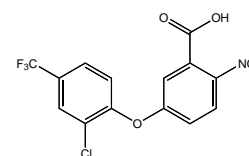


**CAS** 135158-54-2 **MF** C<sub>8</sub>H<sub>6</sub>N<sub>2</sub>OS<sub>2</sub> **MW** 210.28  
**PS** S **SG** 1.54 g/cm<sup>3</sup> **MP** 133 °C **BP** 267 °C  
**SOL** M,EA,H,T,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-895N	10 mg
100 µg/mL in MeOH	P-895S	1 mL

## Acifluorfen

5-(2-Chloro-alpha,alpha,alpha-trifluoro-p-tolyloxy)-2-nitrobenzoic acid

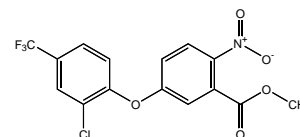


**CAS** 50594-66-6 **MF** C<sub>14</sub>H<sub>7</sub>ClF<sub>3</sub>NO<sub>5</sub> **MW** 361.7  
**PS** S **SG** 1.57 g/cm<sup>3</sup> **MP** 150 °C  
**BP** Decomp. 235 °C **FP** 209 °C **SOL** M,A,CN,D,H

Matrix	Cat. No.	Unit
NEAT	P-245N	10 mg
100 µg/mL in MeOH	P-245S ▲	1 mL
1000 µg/mL in MeOH	P-245S-10X ▲	1 mL
100 µg/mL in ACN	P-245S-CN	1 mL

## Acifluorfen methyl ester

Methyl 5-(2-Chloro-alpha,alpha,alpha-trifluoro-p-tolyloxy)-2-nitrobenzoate



**CAS** 50594-67-7 **MF** C<sub>15</sub>H<sub>9</sub>ClF<sub>3</sub>NO<sub>5</sub> **MW** 375.69  
**PS** S **SG** 1.47 g/cm<sup>3</sup> **MP** 53-54 °C **SOL** M

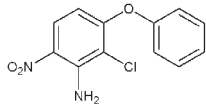
Matrix	Cat. No.	Unit
NEAT	P-246N	10 mg
100 µg/mL in MeOH	P-246S	1 mL
1000 µg/mL in MeOH	P-246S-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Acclonifen

2-Chloro-6-nitro-3-phenoxyaniline

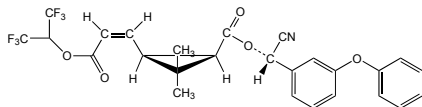


**CAS** 74070-46-5 **MF** C<sub>12</sub>H<sub>9</sub>ClN<sub>2</sub>O<sub>3</sub> **MW** 264.66  
**PS S SG** 1.45 g/cm<sup>3</sup> **MP** 80-81 °C  
**BP** Decomp. 297 °C **SOL** H,T,M,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-890S-CN	1 mL

## Acrinathrin

(S)-(alpha)-Cyano-3-phenoxybenzyl (Z)-(1R)-2,2-dimethyl-3-[2-(2,2,2-trifluoro-1-trifluoromethyl-ethoxycarbonyl)vinyl]cyclopropanecarboxylate

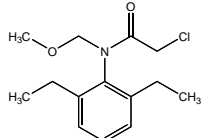


**CAS** 101007-06-1 **MF** C<sub>26</sub>H<sub>21</sub>F<sub>6</sub>NO<sub>5</sub> **MW** 541.44  
**PS S SG** 1.38 g/cm<sup>3</sup> **MP** 81 °C  
**BP** Decomp. 230 °C **SOL** H,A,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-842S-CN	1 mL
1000 µg/mL in ACN	P-842S-CN-10X	1 mL

## Alachlor

2-Chloro-2',6'-diethyl-N-methoxymethylacetanilide



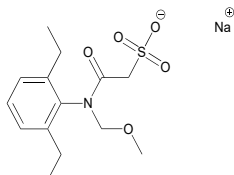
Lasso

**CAS** 15972-60-8 **MF** C<sub>14</sub>H<sub>20</sub>ClNO<sub>2</sub> **MW** 269.77  
**PS S SG** 1.12 g/cm<sup>3</sup> **MP** 39-42 °C **BP** 100 °C  
(0.02mm Hg) **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-102N	10 mg
100 µg/mL in MeOH	P-102S	1 mL
1000 µg/mL in MeOH	P-102S-10X	1 mL
1000 µg/mL in Acetone	P-102S-A-10X	1 mL

## Alachlor ESA sodium salt

Sodium 2-[(2,6-diethylphenyl)(methoxymethyl)amino]-2-oxo-ethanesulfonate

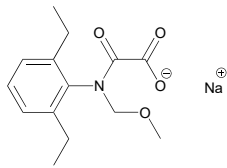


**CAS** 140939-15-7 **MF** C<sub>14</sub>H<sub>20</sub>NNaO<sub>5</sub>S **PS S**  
**MW** 337.37 **SOL** A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-909S	1 mL

## Alachlor OA sodium salt

Sodium [(2,6-diethylphenyl)(methoxymethyl)amino]-oxo-acetate

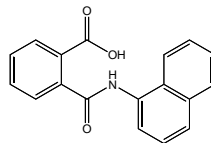


**CAS** N/A **MF** C<sub>14</sub>H<sub>18</sub>NO<sub>4</sub>Na **MW** 287 **PS S**  
**MP** 215 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-910S	1 mL

## Alanap

N-(1-Naphthyl)phthalamidic acid



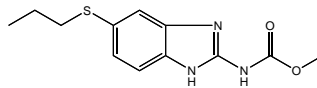
Naptalam

**CAS** 132-66-1 **MF** C<sub>18</sub>H<sub>13</sub>NO<sub>3</sub> **MW** 291.32 **PS S**  
**SG** 1.40 g/cm<sup>3</sup> **MP** 185 °C **SOL** M,A,H

Matrix	Cat. No.	Unit
NEAT	P-274N	10 mg
100 µg/mL in ACN	P-274S-CN	1 mL

## Albendazole

Methyl-5-(propylthio)-2-benzimidazolecarbamate

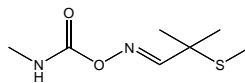


**CAS** 54965-21-8 **MF** C<sub>12</sub>H<sub>15</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 265.33  
**PS S SG** 1.30 g/cm<sup>3</sup> **MP** 209 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-498N	10 mg
100 µg/mL in MeOH	P-498S	1 mL

## Aldicarb

2-Methyl-2-(methylthio)propionaldehyde O-methylcarbamoyloxime



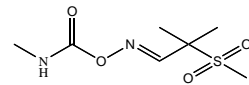
Temik

**CAS** 116-06-3 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 190.29 **PS S**  
**SG** 1.20 g/cm<sup>3</sup> **MP** 99 °C **BP** Decomp. **FP** >100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-001N	10 mg
100 µg/mL in MeOH	P-001S	1 mL
1000 µg/mL in MeOH	P-001S-10X	1 mL
1000 µg/mL in ACN	P-001S-CN-10X	1 mL

## Aldicarb sulfone

2-Methyl-2-(methylsulfonyl)propanal O-[(methylamino)carbamyl]-oxime



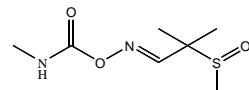
Aldoxycarb

**CAS** 1646-88-4 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 222.26  
**PS S SG** 1.23 g/cm<sup>3</sup> **MP** 140-142 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-130N	10 mg
100 µg/mL in MeOH	P-130S	1 mL

## Aldicarb sulfoxide

2-Methyl-2-(methylsulfinyl)propanal o-[(methylamino)carbamyl]

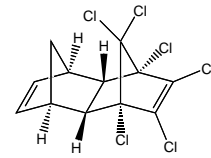


**CAS** 1646-87-3 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 206.26  
**PS S SG** 1.21 g/cm<sup>3</sup> **MP** 98-100 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-131N	10 mg
100 µg/mL in MeOH	P-131S	1 mL

## Aldrin

1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-exo-1,4-endo-5,8-dimethanonaphthalene



Octalene

**CAS** 309-00-2 **MF** C<sub>12</sub>H<sub>6</sub>Cl<sub>6</sub> **MW** 364.9 **PS S**  
**SG** 1.6 g/cm<sup>3</sup> **MP** 104 °C **SOL** M,A,D,H,T,CN,TP

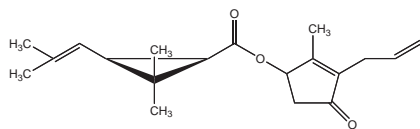
Matrix	Cat. No.	Unit
NEAT	P-002N	10 mg
100 µg/mL in MeOH	P-002S	1 mL
1000 µg/mL in MeOH	P-002S-10X	1 mL
500 µg/mL in Acetone	P-002S-A-5X	1 mL



# Individual Pesticides

## Allethrin

2-Methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane-carboxylate



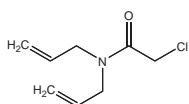
Esbiothrin

CAS 584-79-2 MF C<sub>19</sub>H<sub>26</sub>O<sub>3</sub> MW 302.45 PS L  
SG 1.00 g/cm<sup>3</sup> BP 140 °C (0.1mm Hg) FP 87 °C  
SOL M,A,D,H,CN,H,T,EA

Matrix	Cat. No.	Unit
NEAT	P-267N	10 mg
100 µg/mL in MeOH	P-267S	1 mL
1000 µg/mL in MeOH	P-267S-10X	1 mL

## Allidochlor

N,N-Diallyl-2-chloroacetamide



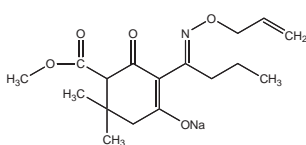
Randox

CAS 93-71-0 MF C<sub>8</sub>H<sub>12</sub>ClNO MW 173.66 PS L  
SG 1.09 g/cm<sup>3</sup> BP 92°C (2mm Hg) FP 100 °C  
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-670N	10 mg
100 µg/mL in MeOH	P-670S	1 mL
1000 µg/mL in MeOH	P-670S-10X	1 mL

## Alloxydim-sodium

3-(1-(Allyloxyamino)butylidene)-6,6-dimethyl-2,4-dioxocyclohexanecarboxylic acid, methyl ester, sodium salt

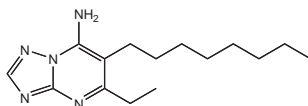


CAS 55635-13-7 MF C<sub>17</sub>H<sub>24</sub>NO<sub>5</sub>Na MW 345.41  
PS S FP >100 °C SOL M,A,EA

Matrix	Cat. No.	Unit
NEAT	P-510N	10 mg
100 µg/mL in ACN	P-510S-CN	1 mL

## Ametoctradin

5-Ethyl-6-octyl[1,2,4]triazolo[1,5-a]pyrimidin-7-amine

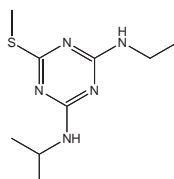


CAS 865318-97-4 MF C<sub>15</sub>H<sub>25</sub>N<sub>5</sub> MW 275.39  
PS S SG 1.12 g/cm<sup>3</sup> MP 198 °C  
BP Decomp. 234 °C SOL M,T,EA,A

Matrix	Cat. No.	Unit
NEAT	P-1039N	10 mg
100 µg/mL in MeOH	P-1039S	1 mL
1000 µg/mL in MeOH:ACN	P-1039S-M-CN-10X	1 mL

## Ametryn

N-Ethyl-N'-isopropyl-6-(methylsulfanyl)-1,3,5-triazine-2,4-diamine

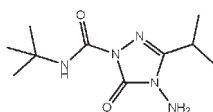


CAS 834-12-8 MF C<sub>9</sub>H<sub>17</sub>N<sub>5</sub>S MW 227.33 PS S  
SG 1.18 g/cm<sup>3</sup> MP 86 °C BP 337 °C  
SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-003N	10 mg
100 µg/mL in MeOH	P-003S	1 mL
1000 µg/mL in MeOH	P-003S-10X	1 mL

## Amicarbazone

4-Amino-N-tert-butyl-4,5-dihydro-3-isopropyl-5-oxo-1H-1,2,4-triazole-1-carboxamide

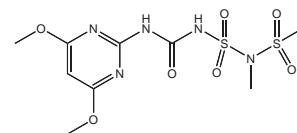


CAS 129909-90-6 MF C<sub>10</sub>H<sub>19</sub>N<sub>5</sub>O<sub>2</sub> MW 241.29  
PS S SG 1.12 g/cm<sup>3</sup> MP 138 °C  
SOL W,IPA,EA,DMSO,A,CN,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1152S-CN	1 mL

## Amidosulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-mesyl(methyl)sulfamoylurea



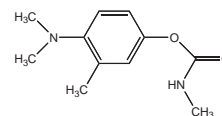
Gratil

CAS 120923-37-7 MF C<sub>9</sub>H<sub>15</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub> MW 369.38  
PS S SG 1.50 g/cm<sup>3</sup> MP 160-163 °C  
SOL A,EA,T,H,M,CN

Matrix	Cat. No.	Unit
NEAT	P-821N	10 mg
100 µg/mL in ACN	P-821S-CN	1 mL

## Aminocarb

4-Dimethylamino-m-tolyl methylcarbamate

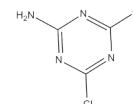


Metacil

CAS 2032-59-9 MF C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub> MW 208.29  
PS S SG 1.10 g/cm<sup>3</sup> MP 93-94 °C BP 307 °C  
FP 140 °C SOL M,A,H,CN

Matrix	Cat. No.	Unit
NEAT	P-062N	10 mg
100 µg/mL in MeOH	P-062S	1 mL
1000 µg/mL in MeOH	P-062S-10X	1 mL

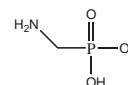
## 2-Amino-4,6-dichloro-1,3,5-triazine



CAS 933-20-0 MF C<sub>3</sub>H<sub>2</sub>Cl<sub>2</sub>N<sub>4</sub> MW 164.98 PS S  
SG N/A MP 239-241 °C SOL CN

Matrix	Cat. No.	Unit
NEAT	P-1444N	10 mg
100 µg/mL in ACN	P-1444S-CN	1 mL

## Aminomethylphosphonic acid



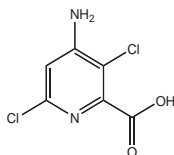
CAS 1066-51-9 MF CH<sub>6</sub>NO<sub>3</sub>P MW 111.04  
PS S SG 1.64 g/cm<sup>3</sup> MP 300 °C SOL W

Matrix	Cat. No.	Unit
NEAT	P-625N	10 mg
100 µg/mL in Water	P-625S-W	1 mL
1000 µg/mL in Water	P-625S-W-10X	1 mL

# Individual Pesticides

## Aminopyralid

4-Amino-3,6-dichloropyridine-2-carboxylic acid

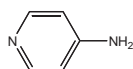


**CAS** 150114-71-9 **MF** C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub> **MW** 207.01  
**PS** S **SG** 1.76 g/cm<sup>3</sup> **MP** 163-164 °C  
**BP** Decomp. 334 °C **SOL** A,EA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-1048N	10 mg
100 µg/mL in MeOH	P-1048S	1 mL

## 4-Aminopyridine

4-Pyridamine



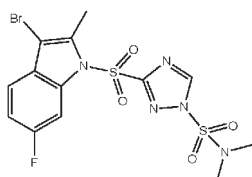
Amitrol

**CAS** 504-24-5 **MF** C<sub>5</sub>H<sub>6</sub>N<sub>2</sub> **MW** 94.12 **PS** S  
**SG** 1.15 g/cm<sup>3</sup> **MP** 160-162 °C **BP** 273 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-407N	10 mg
100 µg/mL in MeOH	P-407S	1 mL

## Amisulbrom

3-(3-Bromo-6-fluoro-2-methylindol-1-ylsulfonyl)-N,N-dimethyl-1,2,4-triazole-1-sulfonamide

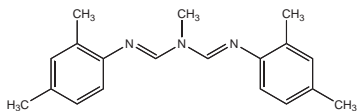


**CAS** 348635-87-0 **MF** C<sub>13</sub>H<sub>13</sub>BrFN<sub>5</sub>O<sub>4</sub>S<sub>2</sub> **MW** 466.31  
**PS** S **SG** 1.85 g/cm<sup>3</sup> **MP** 128-130 °C  
**BP** Decomp. 242 °C **SOL** H,T,M,TP

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-998S	1 mL
1000 µg/mL in ACN	P-998S-CN-10X	1 mL

## Amitraz

N-Methylbis(2,4-xylyliminomethyl)amine

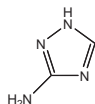


**CAS** 33089-61-1 **MF** C<sub>19</sub>H<sub>23</sub>N<sub>3</sub> **MW** 293.45 **PS** S  
**SG** 1.13 g/cm<sup>3</sup> **MP** 86-88 °C **BP** Decomp.  
**SOL** M,A,CN,EA,T

Matrix	Cat. No.	Unit
NEAT	P-409N	10 mg
100 µg/mL in ACN	P-409S-CN	1 mL
1000 µg/mL in ACN	P-409S-CN-10X	1 mL

## Amitrole (ATA)

3-Aminotriazole

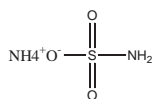


ATA, Diurol

**CAS** 61-82-5 **MF** C<sub>2</sub>H<sub>4</sub>N<sub>4</sub> **MW** 84.1 **PS** S  
**SG** 1.14 g/cm<sup>3</sup> **MP** 157-159 °C **BP** Decomp.  
**SOL** T,IPA,D,A,M,EA

Matrix	Cat. No.	Unit
NEAT	P-103N	10 mg
100 µg/mL in MeOH	P-103S	1 mL

## Ammonium sulfamate

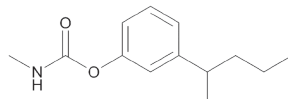


AMS

**CAS** 7773-06-0 **MF** H<sub>3</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 114.1 **PS** S  
**SG** 1.01 g/cm<sup>3</sup> **MP** 132-135 °C **BP** 160 °C **SOL** M,W

Matrix	Cat. No.	Unit
NEAT	P-530N	10 mg
100 µg/mL in MeOH	P-530S	1 mL

## 3-sec-Amylphenyl N-Methylcarbamate

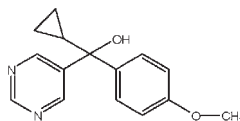


**CAS** 2282-34-0 **MF** C<sub>13</sub>H<sub>19</sub>NO<sub>2</sub> **MW** 221.30  
**PS** S **MP** 47.4-48.9 °C **SOL** M,CN,D,EA,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1478S-CN	1 mL

## Ancymidol

alpha-Cyclopropyl-4-methoxy-alpha-(pyrimidin-5-yl)benzyl alcohol

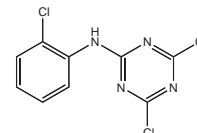


**CAS** 12771-68-5 **MF** C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub> **MW** 256.3 **PS** S  
**SG** 1.26 g/cm<sup>3</sup> **MP** 110-111 °C **BP** Decomp.  
**SOL** M,A,H

Matrix	Cat. No.	Unit
NEAT	P-410N	10 mg
100 µg/mL in MeOH	P-410S	1 mL

## Anilazine

2,4-Dichloro-6-(o-chloroanilino)-s-triazine



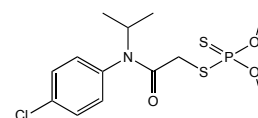
Dyrene

**CAS** 101-05-3 **MF** C<sub>9</sub>H<sub>5</sub>Cl<sub>3</sub>N<sub>4</sub> **MW** 275.52 **PS** S  
**SG** 1.61 g/cm<sup>3</sup> **MP** 159-160 °C **BP** Decomp. 460 °C  
**SOL** D,H,T,IPA,A

Matrix	Cat. No.	Unit
NEAT	P-287N	10 mg
100 µg/mL in H-A (80:20)	P-287S-H	1 mL

## Anilofos

S-(2-((4-Chlorophenyl)(1-methylethyl)amino)-2-oxoethyl) O,O-dimethyl phosphorodithioate

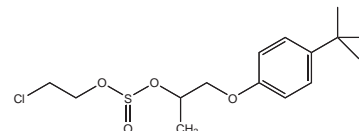


**CAS** 64249-01-0 **MF** C<sub>13</sub>H<sub>19</sub>ClNO<sub>3</sub>PS<sub>2</sub> **MW** 367.85  
**PS** S **SG** 1.27 g/cm<sup>3</sup> **MP** 51-53 °C  
**BP** Decomp. 150 °C **SOL** T,A,EA,H,D

Matrix	Cat. No.	Unit
NEAT	P-973N	10 mg
100 µg/mL in ACN	P-973S-CN	1 mL
1000 µg/mL in Acetone	P-973S-A-10X	1 mL

## Aramite

2-(4-tert-Butylphenoxy)-1-methylethyl 2-chloroethyl sulfide



**CAS** 140-57-8 **MF** C<sub>15</sub>H<sub>23</sub>ClO<sub>4</sub>S **MW** 334.86 **PS** L  
**SG** 1.19 g/cm<sup>3</sup> **BP** 175 °C (0.1mm Hg) **FP** 212 °C  
**SOL** M,A,D,H,CN

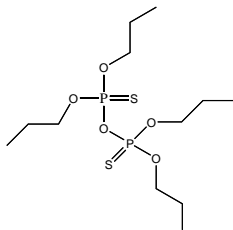
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-132S	1 mL



# Individual Pesticides

## Aspon

O,O,O',O'-Tetrapropyl dithiopyrophosphate

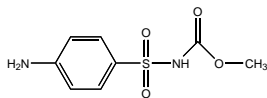


**CAS** 3244-90-4 **MF** C<sub>12</sub>H<sub>28</sub>O<sub>5</sub>P<sub>2</sub>S<sub>2</sub> **MW** 378.46 **PS** L **SG** 1.12 g/cm<sup>3</sup> **BP** 375 °C **SOL** M,D,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-309S	1 mL
1000 µg/mL in MeOH	P-309S-10X	1 mL

## Asulam

Methyl sulfanylcarbamate



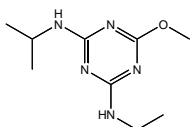
Asulox

**CAS** 3337-71-1 **MF** C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 230.26 **PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 143-144 °C **SOL** M,A,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-276N	10 mg
100 µg/mL in MeOH	P-276S	1 mL
1000 µg/mL in MeOH	P-276S-10X	1 mL

## Atraton

N-Ethyl-6-methoxy-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine



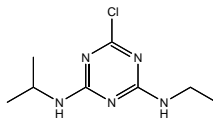
Atrazine-methoxy, Gesatamine

**CAS** 1610-17-9 **MF** C<sub>9</sub>H<sub>17</sub>N<sub>5</sub>O **MW** 211.26 **PS** S **MP** 95-96 °C **SOL** M,A,D,H,T,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-189N	10 mg
100 µg/mL in MeOH	P-189S	1 mL

## Atrazine

6-Chloro-N-ethyl-N'-isopropyl-1,3,5-triazine-2,4-diamine

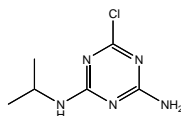


**CAS** 1912-24-9 **MF** C<sub>8</sub>H<sub>14</sub>ClN<sub>5</sub> **MW** 215.68 **PS** S **SG** 1.23 g/cm<sup>3</sup> **MP** 176 °C **BP** Decomp. **FP** 177 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-005N	10 mg
100 µg/mL in MeOH	P-005S	1 mL
1000 µg/mL in MeOH	P-005S-10X	1 mL
1000 µg/mL in Acetone	P-005S-A-10X	1 mL

## Atrazine desethyl

2-Amino-4-chloro-6-isopropylamino-1,3,5-triazine



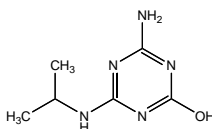
Desethyl atrazine

**CAS** 6190-65-4 **MF** C<sub>8</sub>H<sub>10</sub>ClN<sub>5</sub> **MW** 187.63 **PS** S **SG** 1.38 g/cm<sup>3</sup> **MP** 130-133 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-343N	10 mg
100 µg/mL in MeOH	P-343S	1 mL

## Atrazine-desethyl-2-hydroxy

4-Amino-2-hydroxy-6-isopropylamino-1,3,5-triazine

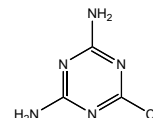


**CAS** 19988-24-0 **MF** C<sub>8</sub>H<sub>11</sub>N<sub>5</sub>O **MW** 169.18 **PS** S **SG** 1.51 g/cm<sup>3</sup> **MP** >310 °C **FP** >100 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-544S	1 mL

## Atrazine-desethyl-desisopropyl

2-Chloro-4,6-diamino-1,3,5-triazine



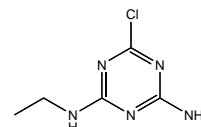
Desisopropyl desethyl atrazine

**CAS** 3397-62-4 **MF** C<sub>3</sub>H<sub>4</sub>ClN<sub>5</sub> **MW** 145.55 **PS** S **MP** 320 °C

Matrix	Cat. No.	Unit
NEAT	P-428N	10 mg

## Atrazine-desisopropyl

2-Amino-4-chloro-6-ethylamino-1,3,5-triazine



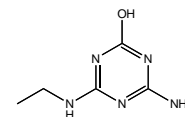
Desethyl simazine, Desisopropylatrazine

**CAS** 1007-28-9 **MF** C<sub>5</sub>H<sub>8</sub>N<sub>5</sub>Cl **MW** 173.6 **PS** S **MP** 177-179 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-345N	10 mg
100 µg/mL in MeOH	P-345S	1 mL

## Atrazine-desisopropyl-2-hydroxy

4-Amino-2-hydroxy-6-(ethylamino)-1,3,5-triazine

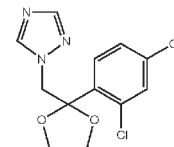


**CAS** 7313-54-4 **MF** C<sub>5</sub>H<sub>9</sub>N<sub>5</sub>O **MW** 155.16 **PS** L **MP** >310 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-344N	10 mg
100 µg/mL in MeOH: Phosphoric acid (99:01)	P-344S	1 mL

## Azaconazole

1-[2-(2,4-Dichlorophenyl)-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole



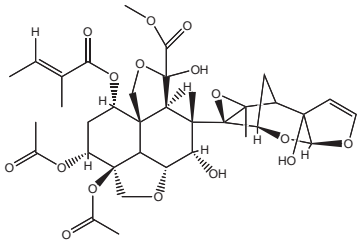
**CAS** 60207-31-0 **MF** C<sub>12</sub>H<sub>11</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub> **MW** 300.14 **PS** S **SG** 1.55 g/cm<sup>3</sup> **MP** 112 °C **SOL** A,H,M,T,CN,W

Matrix	Cat. No.	Unit
NEAT	P-971N	10 mg
100 µg/mL in ACN	P-971S-CN	1 mL
1000 µg/mL in ACN	P-971S-CN-10X	1 mL

# Individual Pesticides

## Azadirachtin

Dimethyl (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)-10-(acetyloxy)-3,5-dihydroxy-4-[(1aR,2S,3aS,6aS,7S,7aS)-6a-hydroxy-7a-methyl-3a,6a,7,7a-tetrahydro-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-4-methyl-8-[[2E)-2-methylbut-2-enoyl]oxy]octahydro-1H-naphtho[1,8a-c:4,5-b'c']difuran-5,10a(8H)-dicarboxylate



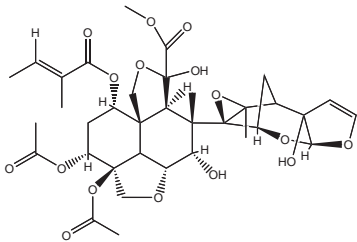
Azad

**CAS** 11141-17-6 **MF** C<sub>35</sub>H<sub>44</sub>O<sub>16</sub> **MW** 720.71 **PS** S **SG** 1.51 g/cm<sup>3</sup> **MP** 165 °C **SOL** T,M,A,EA,CN,W

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1499S-CN	1 mL

## Azadirachtin (Natural Extract) Tech Mix

Dimethyl (2aR,3S,4S,4aR,5S,7aS,8S,10R,10aS,10bR)-10-(acetyloxy)-3,5-dihydroxy-4-[(1aR,2S,3aS,6aS,7S,7aS)-6a-hydroxy-7a-methyl-3a,6a,7,7a-tetrahydro-2,7-methanofuro[2,3-b]oxireno[e]oxepin-1a(2H)-yl]-4-methyl-8-[[2E)-2-methylbut-2-enoyl]oxy]octahydro-1H-naphtho[1,8a-c:4,5-b'c']difuran-5,10a(8H)-dicarboxylate

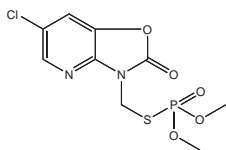


**CAS** 11141-17-6 **MF** C<sub>35</sub>H<sub>44</sub>O<sub>16</sub> **MW** 720.71 **PS** S **SG** 1.51 g/cm<sup>3</sup> **MP** 165 °C **SOL** T,M,A,EA,CN,W

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-711S-CN	1 mL

## Azamethiphos

S-6-Chloro-2,3-dihydro-2-oxo-oxazolo[4,5-b]pyridin-3-ylmethyl O,O-dimethyl phosphorothioate

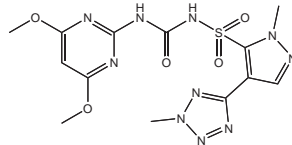


**CAS** 35575-96-3 **MF** C<sub>9</sub>H<sub>10</sub>ClN<sub>2</sub>O<sub>5</sub>PS **MW** 324.68 **PS** S **SG** 1.60 g/cm<sup>3</sup> **MP** 89 °C **FP** >150 °C **SOL** M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-352N	10 mg
100 µg/mL in MeOH	P-352S	1 mL
1000 µg/mL in MeOH	P-352S-10X	1 mL

## Azimsulfuron

N-[[[4,6-Dimethoxy-2-pyrimidinyl]amino]carbonyl]-1-methyl-4-(2-methyl-H-tetrazol-5-yl)-1H-pyrazole-5-sulfonamide

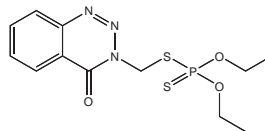


**CAS** 120162-55-2 **MF** C<sub>13</sub>H<sub>16</sub>N<sub>10</sub>O<sub>5</sub>S **MW** 424.40 **PS** S **SG** 1.12 g/cm<sup>3</sup> **MP** 170 °C **BP** Decomp. 180 °C **SOL** A,EA,M,T,CN,D

Matrix	Cat. No.	Unit
50 µg/mL in ACN	P-1036S-CN-0.5X	1 mL
100 µg/mL in ACN	P-1036S-CN	1 mL
1000 µg/mL in ACN	P-1036S-CN-10X	1 mL

## Azinphos-ethyl

O,O-Diethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate



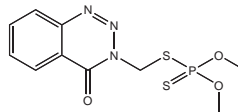
Ethyl azinphos

**CAS** 2642-71-9 **MF** C<sub>12</sub>H<sub>16</sub>N<sub>3</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 345.38 **PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 50 °C **BP** 147 °C (1.3 Pa) **SOL** M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-201N	10 mg
100 µg/mL in MeOH	P-201S	1 mL
1000 µg/mL in MeOH	P-201S-10X	1 mL

## Azinphos-methyl

O,O-Dimethyl-S-(4-oxo-3H-1,2,3-benzotriazine-3-methyl)phosphorodithioate

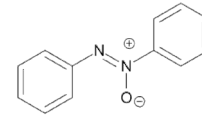


Guthion

**CAS** 86-50-0 **MF** C<sub>10</sub>H<sub>12</sub>N<sub>3</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 317.33 **PS** S **SG** 1.52 g/cm<sup>3</sup> **MP** 73 °C **BP** 200 °C **SOL** M,A,D,H,T,CN,TP,EA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-007N	10 mg
100 µg/mL in MeOH	P-007S	1 mL
1000 µg/mL in MeOH	P-007S-10X	1 mL
1000 µg/mL in Acetone	P-007S-A-10X	1 mL
1000 µg/mL in Hexane	P-007S-H-10X	1 mL

## Azoxybenzene



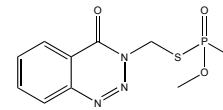
Fenazox

**CAS** 495-48-7 **MF** C<sub>12</sub>H<sub>10</sub>N<sub>2</sub>O **MW** 198.22 **PS** S **SG** 1.16 g/cm<sup>3</sup> **MP** 36 °C **CBP** Decomp. before boiling **SOL** CN,M

Matrix	Cat. No.	Unit
NEAT	P-1458N	10 mg
100 µg/mL in ACN	P-1458S-CN	1 mL

## Azinphos-methyl oxon

O,O-Dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorothioate

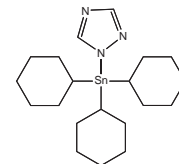


**CAS** 961-22-8 **MF** C<sub>10</sub>H<sub>12</sub>N<sub>3</sub>O<sub>4</sub>PS **MW** 301.26 **SOL** T,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in Toluene	P-1327S-T	1 mL

## Azocyclotin

Tri(cyclohexyl)-1H-1,2,4-triazol-1-yltin

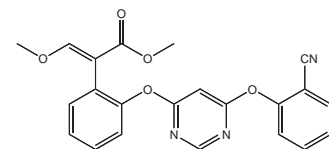


**CAS** 41083-11-8 **MF** C<sub>20</sub>H<sub>35</sub>N<sub>3</sub>Sn **MW** 436.27 **PS** S **SG** 1.34 g/cm<sup>3</sup> **MP** 210 °C (decomp.) **FP** 249 °C **SOL** D,IPA,H,T,M,CN

Matrix	Cat. No.	Unit
NEAT	P-353N	10 mg
100 µg/mL in MeOH	P-353S	1 mL

## Azoxystrobin

Methyl-(E)-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate



Pyroxystrobin

**CAS** 131860-33-8 **MF** C<sub>22</sub>H<sub>17</sub>N<sub>3</sub>O<sub>5</sub> **MW** 403.39 **PS** S **SG** 1.33 g/cm<sup>3</sup> **MP** 116 °C **BP** 360 °C **SOL** M,A,D,T,CN,EA,H

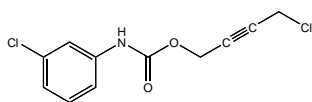
Matrix	Cat. No.	Unit
NEAT	P-719N	10 mg
100 µg/mL in MeOH	P-719S	1 mL
1000 µg/mL in Acetone	P-719S-A-10X	1 mL



# Individual Pesticides

## Barbamate

4-Chloro-2-butynyl (3-chlorophenyl)carbamate



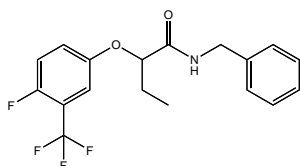
Barban

**CAS** 101-27-9 **MF** C<sub>11</sub>H<sub>9</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 258.11 **PS** S  
**SG** 1.39 g/cm<sup>3</sup> **MP** 75 - 76 °C **SOL** M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-202N	10 mg
100 µg/mL in MeOH	P-202S	1 mL

## Beflubutamid

2-[4-Fluoro-3-(trifluoromethyl)phenoxy]-N-(phenylmethyl)butanamide

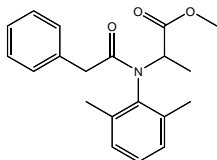


**CAS** 113614-08-7 **MF** C<sub>18</sub>H<sub>17</sub>F<sub>4</sub>NO<sub>2</sub> **MW** 355.33  
**PS** S **SG** 1.33 g/cm<sup>3</sup> **MP** 75 °C  
**BP** Decomp. 128 °C **FP** >128 °C **SOL** A,EA,M

Matrix	Cat. No.	Unit
NEAT	P-1041N	10 mg
100 µg/mL in MeOH	P-1041S	1 mL

## Benalaxyl

Methyl N-phenylacetyl-N-2,6-xylyl-DL-alaninate

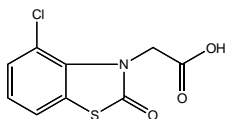


**CAS** 71626-11-4 **MF** C<sub>20</sub>H<sub>23</sub>NO<sub>3</sub> **MW** 325.4 **PS** S  
**SG** 1.27 g/cm<sup>3</sup> **MP** 79 °C **SOL** M,A,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-559N	10 mg
100 µg/mL in MeOH	P-559S	1 mL

## Benazolin

4-Chloro-2-oxobenzothiazolin-3-ylacetic acid



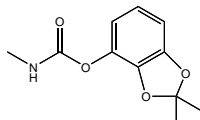
Bensecal, Metizolin, Tillox

**CAS** 3813-05-6 **MF** C<sub>7</sub>H<sub>5</sub>ClNO<sub>2</sub>S **MW** 243.67  
**PS** S **SG** 1.63 g/cm<sup>3</sup> **MP** 193 °C **FP** >100 °C  
**SOL** M,A,CN,EA,IPA,D,T,W

Matrix	Cat. No.	Unit
NEAT	P-397N	10 mg
100 µg/mL in MeOH	P-397S ▲	1 mL

## Bendiocarb

2,3-Isopropylidenedioxyphenyl methyl carbamate



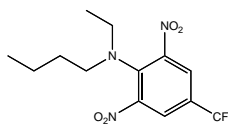
Ficam

**CAS** 22781-23-3 **MF** C<sub>11</sub>H<sub>13</sub>NO<sub>4</sub> **MW** 223.23  
**PS** S **SG** 1.25 g/cm<sup>3</sup> **MP** 130 °C **FP** >100 °C  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-203N	10 mg
100 µg/mL in MeOH	P-203S	1 mL
1000 µg/mL in MeOH	P-203S-10X	1 mL
1000 µg/mL in ACN	P-203S-CN-10X	1 mL

## Benfluralin

N-Butyl-N-ethyl-α,α,α-trifluoro-2,6-dinitro-p-toluidine



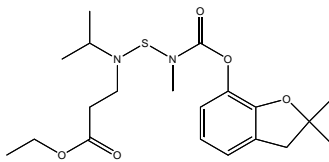
Balan, Benefin

**CAS** 1861-40-1 **MF** C<sub>13</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub> **MW** 335.28  
**PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 66 °C **BP** 148-149 °C  
(7mm Hg) **SOL** M,A,D,T,CN,TP,EA,H

Matrix	Cat. No.	Unit
NEAT	P-237N	10 mg
100 µg/mL in MeOH	P-237S	1 mL

## Benfuracarb

Ethyl N-[2,3-dihydro-2,2-dimethylbenzofuran-7-yloxy]carbonyl(methyl)aminothio]-N-isopropyl-b-alaninate

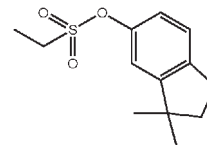


**CAS** 82560-54-1 **MF** C<sub>20</sub>H<sub>30</sub>N<sub>2</sub>O<sub>5</sub>S **MW** 410.5 **PS** L  
**SG** 1.15 g/cm<sup>3</sup> **BP** 110 °C (0.023mm Hg)  
**FP** 114 °C **SOL** A,M,H,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-454N	10 mg
100 µg/mL in ACN	P-454S-CN	1 mL
1000 µg/mL in MeOH	P-454S-10X	1 mL

## Benfuresate

2,3-Dihydro-3,3-dimethyl-5-benzofuranyl ethanesulfonate

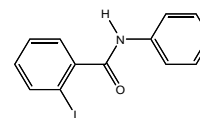


**CAS** 68505-69-1 **MF** C<sub>12</sub>H<sub>16</sub>O<sub>4</sub>S **MW** 256.32 **PS** S  
**SG** 0.96 g/cm<sup>3</sup> **MP** 30-31 °C **BP** 241 °C **FP** 38 °C  
**SOL** D,A,T,M,EA,H,W

Matrix	Cat. No.	Unit
NEAT	P-1080N	10 mg
100 µg/mL in MeOH	P-1080S	1 mL
1000 µg/mL in ACN	P-1080S-CN-10X	1 mL

## Benodanil

2-Iodobenzanilide



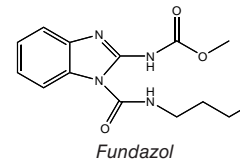
Calirus

**CAS** 15310-01-7 **MF** C<sub>13</sub>H<sub>10</sub>INO **MW** 323.13 **PS** S  
**MP** 147-148 °C **SOL** M,CN,A,EA

Matrix	Cat. No.	Unit
NEAT	P-671N	10 mg
100 µg/mL in MeOH	P-671S	1 mL
1000 µg/mL in MeOH	P-671S-10X	1 mL

## Benomyl

Methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate



Fundazol

**CAS** 17804-35-2 **MF** C<sub>14</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub> **MW** 290.32 **PS** S  
**SG** 1.28 g/cm<sup>3</sup> **MP** 140 °C **SOL** M,A,CN

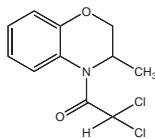
Matrix	Cat. No.	Unit
NEAT	P-104N	10 mg
100 µg/mL in ACN	P-104S-CN	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Benoxacor

4-(Dichloroacetyl)-3,4-dihydro-3-methyl-2H-1,4-benzoxazine

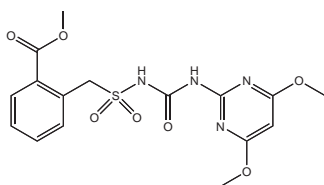


**CAS** 98730-04-2 **MF** C<sub>11</sub>H<sub>11</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 260.12  
**PS S** **SG** 1.52 g/cm<sup>3</sup> **MP** 107 °C **FP** 185 °C  
**SOL** A,D,M,H,EA,CN,T

Matrix	Cat. No.	Unit
NEAT	P-490N	10 mg
100 µg/mL in MeOH	P-490S	1 mL

## Bensulfuron-methyl

Methyl alpha-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-o-toluate



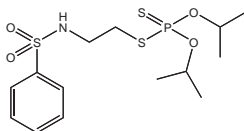
Londax

**CAS** 83055-99-6 **MF** C<sub>16</sub>H<sub>18</sub>N<sub>4</sub>O<sub>7</sub>S **MW** 410.4 **PS S**  
**SG** 1.44 g/cm<sup>3</sup> **MP** 185-188 °C **BP** Decomp. 245 °C  
**SOL** A,D,EA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-597N	10 mg
100 µg/mL in ACN	P-597S-CN	1 mL
1000 µg/mL in ACN	P-597S-CN-10X	1 mL

## Bensulide

O,O-Diisopropyl S-[2-[(phenylsulfonyl)amino]ethyl] phosphorodithioate

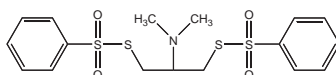


**CAS** 741-58-2 **MF** C<sub>14</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub>PS<sub>3</sub> **MW** 397.54  
**PS S** **SG** 1.23 g/cm<sup>3</sup> **MP** 34 °C **FP** >104 °C  
**SOL** M,A,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-204N	10 mg
100 µg/mL in MeOH	P-204S	1 mL
1000 µg/mL in MeOH	P-204S-10X	1 mL

## Bensultap

S,S'-2-Dimethylaminotrimethylene di(benzenethio-sulfonate)



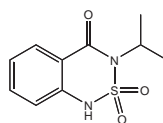
Bancol

**CAS** 17606-31-4 **MF** C<sub>17</sub>H<sub>21</sub>NO<sub>4</sub>S<sub>4</sub> **MW** 431.63  
**PS S** **SG** 1.35 g/cm<sup>3</sup> **MP** 83-84 °C **BP** Decomp.  
**SOL** H,T,M,EA,D

Matrix	Cat. No.	Unit
NEAT	P-678N	10 mg
100 µg/mL in MeOH	P-678S	1 mL

## Bentazon

3-Isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide



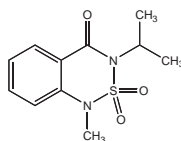
Basagran

**CAS** 25057-89-0 **MF** C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 240.28  
**PS S** **SG** 1.41 g/cm<sup>3</sup> **MP** 138 °C  
**BP** Decomp. 210 °C **SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-177N	10 mg
100 µg/mL in ACN	P-177S-CN	1 mL
100 µg/mL in Acetone	P-177S-A	1 mL
1000 µg/mL in Acetone	P-177S-A-10X	1 mL

## Bentazon methyl

3-Isopropyl-1-methyl-1H-2,1,3-benzothiadiazin-4(3H)-one 2,2-dioxide

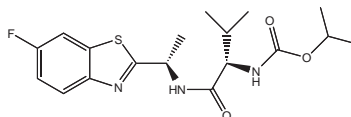


**CAS** 61592-45-8 **MF** C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 254.31  
**PS S** **MP** 45 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-241N	10 mg
100 µg/mL in MeOH	P-241S	1 mL

## Benthiavalcarb-isopropyl

[[Isopropyl[(S)-1-[(R)-1-(6-fluoro-1,3-benzothiazol-2-yl)ethyl]carbamoyl-2-methylpropyl]carbamate]

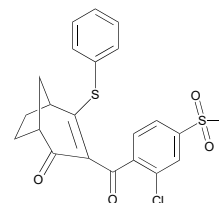


**CAS** 177406-68-7 **MF** C<sub>18</sub>H<sub>24</sub>FN<sub>3</sub>O<sub>3</sub>S **MW** 381.47  
**PS S** **SOL** A, EA **SG** 1.25 g/cm<sup>3</sup> **MP** 153-154 °C  
**BP** Decomp. 240 °C

Matrix	Cat. No.	Unit
10 µg/mL in Acetone	P-1049S-A-0.1X	1 mL
1000 µg/mL in ACN	P-1049S-CN-10X	1 mL

## Benzobicyclon

3-(2-Chloro-4-mesybenzoyl)-2-phenylthiobicyclo[3.2.1]oct-2-en-4-one

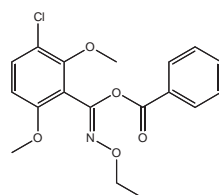


**CAS** 156963-66-5 **MF** C<sub>22</sub>H<sub>19</sub>ClO<sub>4</sub>S<sub>2</sub> **MW** 446.96  
**PS S** **SG** 1.45 g/cm<sup>3</sup> **MP** 187 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1099S-CN	1 mL
1000 µg/mL in ACN	P-1099S-CN-10X	1 mL

## Benzoximate

3-Chloro-a-(EZ)-ethoxyimino-2,6-dimethoxybenzyl benzoate

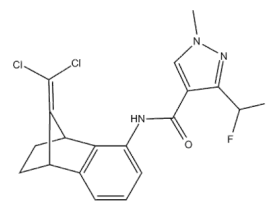


**CAS** 29104-30-1 **MF** C<sub>18</sub>H<sub>15</sub>ClNO<sub>5</sub> **MW** 363.79  
**PS S** **SG** 1.30 g/cm<sup>3</sup> **MP** 73 °C **BP** Decomp.  
**SOL** H,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-801S-CN	1 mL
1000 µg/mL in ACN	P-801S-CN-10X	1 mL

## Benzovindiflupyr

N-[9-(Dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1Hpyrazole-4-carboxamide



Solatol

**CAS** 1072957-71-1 **MF** C<sub>18</sub>H<sub>15</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>3</sub>O **MW** 398.23  
**PS S** **MP** 145-148 °C **SOL** M

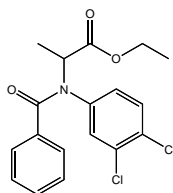
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-773S	1 mL
100 µg/mL in ACN	P-773S-CN	1 mL



# Individual Pesticides

## Benzoylprop-ethyl

N-Benzoyl-N-(3,4-dichlorophenyl)-DL-alanine ethyl ester



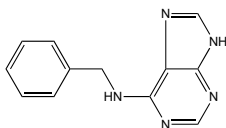
Suffix

**CAS** 22212-55-1 **MF** C<sub>18</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 366.26  
**PS** S **SG** 1.30 g/cm<sup>3</sup> **MP** 70-71 °C **BP** 493 °C  
**FP** 252 °C **SOL** M,A,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-340N	10 mg
100 µg/mL in MeOH	P-340S	1 mL
1000 µg/mL in MeOH	P-340S-10X	1 mL

## Benzyladenine

6-Benzylaminopurine

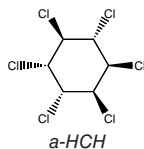


**CAS** 1214-39-7 **MF** C<sub>12</sub>H<sub>11</sub>N<sub>5</sub> **MW** 225.25 **PS** S  
**MP** 230-233 °C **SOL** CN,M

Matrix	Cat. No.	Unit
NEAT	P-901N	10 mg

## a-BHC

alpha-1,2,3,4,5,6-Hexachlorocyclohexane



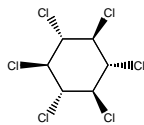
a-HCH

**CAS** 319-84-6 **MF** C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub> **MW** 290.83 **PS** S  
**SG** 1.88 g/cm<sup>3</sup> **MP** 159 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-010N	10 mg
100 µg/mL in MeOH	P-010S	1 mL
1000 µg/mL in MeOH	P-010S-10X	1 mL
1000 µg/mL in Acetone	P-010S-A-10X	1 mL

## b-BHC

beta-1,2,3,4,5,6-Hexachlorocyclohexane



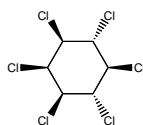
b-HCH

**CAS** 319-85-7 **MF** C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub> **MW** 290.83 **PS** S  
**SG** 1.88 g/cm<sup>3</sup> **MP** 309 °C **FP** >120 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-011N	10 mg
100 µg/mL in MeOH	P-011S	1 mL
1000 µg/mL in MeOH	P-011S-10X	1 mL
1000 µg/mL in Acetone	P-011S-A-10X	1 mL

## d-BHC

delta-1,2,3,4,5,6-Hexachlorocyclohexane



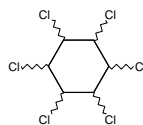
d-HCH

**CAS** 319-86-8 **MF** C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub> **MW** 290.83 **PS** S  
**SG** 1.88 g/cm<sup>3</sup> **MP** 141-142 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-012N	10 mg
100 µg/mL in MeOH	P-012S	1 mL
1000 µg/mL in MeOH	P-012S-10X	1 mL
1000 µg/mL in Acetone	P-012S-A-10X	1 mL

## BHC Tech

1,2,3,4,5,6-Hexachlorocyclohexanes



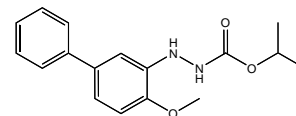
HCH, tech

**CAS** 608-73-1 **MF** C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub> **MW** 290.83 **PS** S  
**SG** 1.87 g/cm<sup>3</sup> **MP** 150-160 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-081N	10 mg
100 µg/mL in MeOH	P-081S	1 mL

## Bifenazate

Isopropyl 3-(4-methoxybiphenyl-3-yl)carbazate

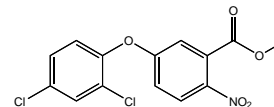


**CAS** 149877-41-8 **MF** C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub> **MW** 300.35  
**PS** S **SG** 1.31 g/cm<sup>3</sup> **MP** 123-125 °C  
**BP** Decomp. 240 °C

Matrix	Cat. No.	Unit
NEAT	P-772N	10 mg
100 µg/mL in MeOH	P-772S	1 mL

## Bifenox

Methyl 5-(2,4-dichlorophenoxy)-2-nitrobenzoate

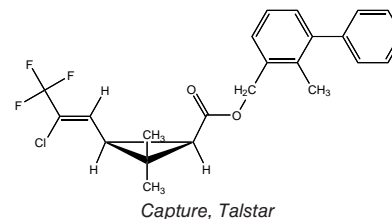


**CAS** 42576-02-3 **MF** C<sub>11</sub>H<sub>9</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 342.13  
**PS** S **SG** 1.46 g/cm<sup>3</sup> **MP** 86 °C  
**BP** Decomp. 399 °C **SOL** M,D,T,A,CN

Matrix	Cat. No.	Unit
NEAT	P-257N	10 mg
100 µg/mL in MeOH	P-257S	1 mL
1000 µg/mL in Acetone	P-257S-A-10X	1 mL

## Bifenthrin

2-Methylbiphenyl-3-ylmethyl (Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate



Capture, Talstar

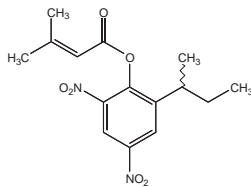
**CAS** 82657-04-3 **MF** C<sub>23</sub>H<sub>22</sub>ClF<sub>3</sub>O<sub>2</sub> **MW** 422.9  
**PS** S **SG** 1.21 g/cm<sup>3</sup> **MP** 58-60 °C **FP** 165 °C  
**BP** Decomp. 280 °C **SOL** M,A,T,CN,TP,EA,D

Matrix	Cat. No.	Unit
NEAT	P-445N	10 mg
100 µg/mL in MeOH	P-445S	1 mL
1000 µg/mL in MeOH	P-445S-10X	1 mL
1000 µg/mL in Acetone	P-445S-A-10X	1 mL

# Individual Pesticides

## Binapacryl

2-(1-Methylpropyl)-4,6-dinitrophenyl 3-methyl-2-butenate



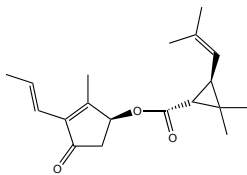
*Dinoseb methacrylate*

**CAS** 485-31-4 **MF** C<sub>15</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub> **MW** 322.31 **PS** S  
**SG** 1.24 g/cm<sup>3</sup> **MP** 70 °C **BP** Decomp. **FP** >100 °C  
**SOL** M,CN,A,H

Matrix	Cat. No.	Unit
NEAT	P-499N	10 mg
100 µg/mL in MeOH	P-499S	1 mL
1000 µg/mL in MeOH	P-499S-10X	1 mL

## S-Bioallethrin

(S)-3-Allyl-2-methyl-4-oxocyclopent-2-enyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate



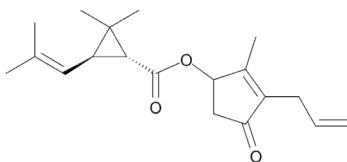
*Esbiol*

**CAS** 28434-00-6 **MF** C<sub>19</sub>H<sub>26</sub>O<sub>3</sub> **MW** 302.41 **PS** L  
**SG** 1.01 g/cm<sup>3</sup> **BP** 165-170 °C (0.15mm Hg)  
**FP** 113 °C **SOL** M,T,A,D,H,EA,M

Matrix	Cat. No.	Unit
NEAT	P-664N	10 mg
100 µg/mL in MeOH	P-664S	1 mL

## Bioallethrin

D-trans-2,2-Dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate



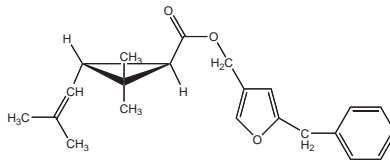
*d-trans-Allethrin*

**CAS** 260359-57-7 **MF** C<sub>19</sub>H<sub>26</sub>O<sub>3</sub> **MW** 302.41 **PS** L  
**SG** 1.12 g/cm<sup>3</sup> **BP** 329-338 °C (0.15mm Hg)  
**FP** 87 °C **SOL** A,EA,H,T,D,CN

Matrix	Cat. No.	Unit
NEAT	P-665N	10 mg
100 µg/mL in MeOH	P-665S	1 mL

## Bioresmethrin

5-Benzyl-3-furylmethyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

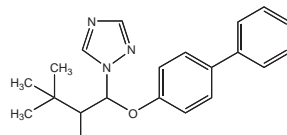


**CAS** 28434-01-7 **MF** C<sub>22</sub>H<sub>26</sub>O<sub>3</sub> **MW** 338.44 **PS** L  
**SG** 1.05 g/cm<sup>3</sup> **MP** 32 °C **BP** Decomp. 180 °C  
**FP** 92 °C **SOL** A,D,EA,T,H,M,CN

Matrix	Cat. No.	Unit
NEAT	P-594N	10 mg
100 µg/mL in MeOH	P-594S	1 mL

## Bitertanol

1-(Biphenyl-4-yloxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol



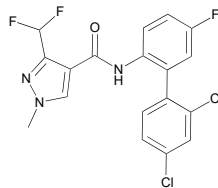
*Baycor, Sibutol*

**CAS** 55179-31-2 **MF** C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub> **MW** 337.42 **PS** S  
**SG** 1.14 g/cm<sup>3</sup> **MP** 136-137 °C **BP** Decomp. 300 °C  
**FP** 100 °C **SOL** M,A,T,CN,D,IPA

Matrix	Cat. No.	Unit
NEAT	P-351N	10 mg
100 µg/mL in MeOH	P-351S	1 mL
1000 µg/mL in Acetone	P-351S-A-10X	1 mL

## Bixafen

N-(3',4'-Dichloro-5-fluorobiphenyl-2-yl)-3-(difluoromethyl)-1-methylpyrazole-4-carboxamide

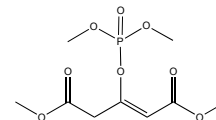


**CAS** 581809-46-3 **MF** C<sub>18</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>3</sub>O **MW** 414.21  
**PS** S **MP** 147 °C **BP** decomp. 250 °C  
**SOL** A,CN,M

Matrix	Cat. No.	Unit
NEAT	P-1186N	10 mg
100 µg/mL in ACN	P-1186S-CN	1 mL
1000 µg/mL in ACN	P-1186S-CN-10X	1 mL

## Bomyl

Dimethyl 3-((dimethoxyphosphinyl)oxy)-2-pentenedioate



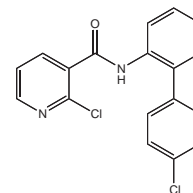
*Swat*

**CAS** 122-10-1 **MF** C<sub>9</sub>H<sub>15</sub>O<sub>8</sub>P **MW** 282.19 **PS** L  
**SG** 1.2 g/cm<sup>3</sup> **BP** 155-164 °C (17mm Hg) **SOL** M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1377S	1 mL

## Boscalid

2-Chloro-N-(4'-chlorobiphenyl-2-yl)nicotinamide



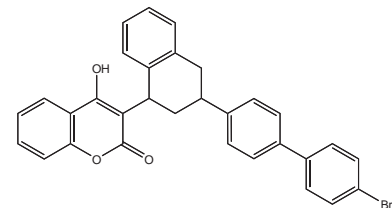
*Nicobifen*

**CAS** 188425-85-6 **MF** C<sub>18</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 343.21  
**PS** S **SG** 1.37 g/cm<sup>3</sup> **MP** 143-144 °C  
**BP** Decomp. 300 °C **SOL** M,A,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-811N	10 mg
100 µg/mL in MeOH	P-811S	1 mL
1000 µg/mL in ACN	P-811S-CN-10X	1 mL

## Brodifacoum

4-Hydroxy-3-(3-(4'-bromo-4-biphenyl)-1,2,3,4-tetrahydro-1-naphthyl)coumarin



*Bromfenacoum*

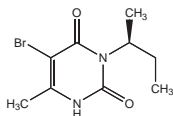
**CAS** 56073-10-0 **MF** C<sub>31</sub>H<sub>23</sub>BrO<sub>3</sub> **MW** 523.45  
**PS** S **SG** 1.43 g/cm<sup>3</sup> **MP** 228-230 °C  
**SOL** EA,A,M,D,T

Matrix	Cat. No.	Unit
NEAT	P-677N	10 mg
100 µg/mL in MeOH	P-677S	1 mL

# Individual Pesticides

## Bromacil

5-Bromo-3-sec-butyl-6-methyluracil

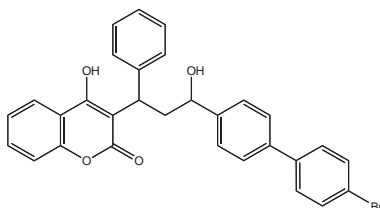


**CAS** 314-40-9 **MF** C<sub>9</sub>H<sub>13</sub>BrN<sub>2</sub>O<sub>2</sub> **MW** 261.12 **PS** S  
**SG** 1.55 g/cm<sup>3</sup> **MP** 158 °C **BP** Decomp.  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-181N	10 mg
100 µg/mL in MeOH	P-181S	1 mL
1000 µg/mL in ACN	P-181S-CN-10X	1 mL

## Bromadiolone

3-[3-(4'-Bromobiphenyl-4-yl)-3-hydroxy-1-phenylpropyl]-4-hydroxycoumarin

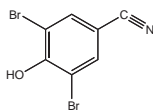


**CAS** 28772-56-7 **MF** C<sub>30</sub>H<sub>23</sub>BrO<sub>4</sub> **MW** 527.44 **PS** S  
**SG** 1.45 g/cm<sup>3</sup> **MP** 200 °C (decomp.)  
**SOL** EA,A,M,CN,W

Matrix	Cat. No.	Unit
NEAT	P-316N	10 mg
100 µg/mL in MeOH	P-316S	1 mL

## Brominal

3,5-Dibromo-4-hydroxybenzoxynitrile



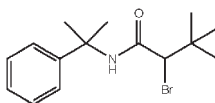
*Bromoxynil*

**CAS** 1689-84-5 **MF** C<sub>7</sub>H<sub>3</sub>Br<sub>2</sub>NO **MW** 276.91 **PS** S  
**SG** 1.63 g/cm<sup>3</sup> **MP** 194-195 °C **BP** Decomp. 270 °C  
**SOL** M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-256N	10 mg
100 µg/mL in MeOH	P-256S	1 mL
1000 µg/mL in MeOH	P-256S-10X	1 mL

## Bromobutide

(RS)-2-Bromo-3,3-dimethyl-N-(1-methyl-1-phenylethyl) butyramide

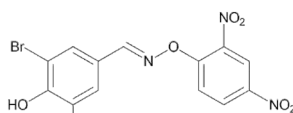


**CAS** 74712-19-9 **MF** C<sub>15</sub>H<sub>22</sub>BrNO **MW** 312.25  
**PS** S **SG** 1.21 g/cm<sup>3</sup> **MP** 180-182 °C **SOL** M,A,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1059S	1 mL
1000 µg/mL in Acetone	P-1059S-A-10X	1 mL

## Bromofenoxim

3,5-Dibromo-4-hydroxybenzaldehyde 2,4-dinitrophenyloxime



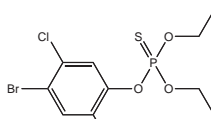
*Faneron*

**CAS** 13181-17-4 **MF** C<sub>13</sub>H<sub>7</sub>Br<sub>2</sub>N<sub>3</sub>O<sub>6</sub> **MW** 461.0  
**PS** S **SG** 2.15 g/cm<sup>3</sup> **MP** 196-197 °C **SOL** H,IPA,A

Matrix	Cat. No.	Unit
NEAT	P-511N	10 mg
100 µg/mL in MeOH	P-511S	1 mL

## Bromophos-ethyl

O-(4-Bromo-2,5-dichlorophenyl) O,O-diethyl phosphorothioate



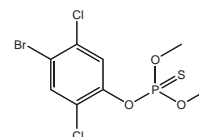
*Bromofos-ethyl*

**CAS** 4824-78-6 **MF** C<sub>10</sub>H<sub>12</sub>BrCl<sub>2</sub>O<sub>3</sub>PS **MW** 394.05  
**PS** L **SG** 1.53 g/cm<sup>3</sup> **BP** 122-123 °C (0.001mm Hg)  
**FP** >100 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-372N	10 mg
100 µg/mL in MeOH	P-372S	1 mL
1000 µg/mL in MeOH	P-372S-10X	1 mL

## Bromophos-methyl

O-(4-Bromo-2,5-dichlorophenyl) O,O-dimethyl phosphorothioate



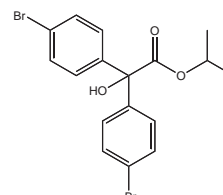
*Bromophos*

**CAS** 2104-96-3 **MF** C<sub>8</sub>H<sub>8</sub>BrCl<sub>2</sub>O<sub>3</sub>PS **MW** 366 **PS** S  
**SG** 1.32 g/cm<sup>3</sup> **MP** 53-56 °C **FP** >100 °C  
**BP** 140-142 °C (0.01mm Hg) **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-484N	10 mg
100 µg/mL in MeOH	P-484S	1 mL
1000 µg/mL in MeOH	P-484S-10X	1 mL

## Bromopropylate

Isopropyl 4,4'-dibromobenzilate



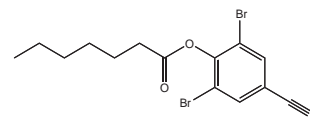
*Acarol*

**CAS** 18181-80-1 **MF** C<sub>17</sub>H<sub>16</sub>Br<sub>2</sub>O<sub>3</sub> **MW** 428.1 **PS** S  
**SG** 1.59 g/cm<sup>3</sup> **MP** 77 °C **FP** > 100 °C  
**SOL** M,A,D,H,T,CN,TP,IPA

Matrix	Cat. No.	Unit
NEAT	P-457N	10 mg
100 µg/mL in MeOH	P-457S	1 mL
1000 µg/mL in MeOH	P-457S-10X	1 mL
1000 µg/mL in Acetone	P-457S-A-10X	1 mL

## Bromoxynil-heptanoate

2,6-Dibromo-4-cyanophenylheptanoate



**CAS** 56634-95-8 **MF** C<sub>14</sub>H<sub>15</sub>Br<sub>2</sub>NO<sub>2</sub> **MW** 389.08  
**PS** S **SG** 1.63 g/cm<sup>3</sup> **MP** 44-45 °C  
**BP** Decomp. 180 °C **SOL** EA,M,T,D,A

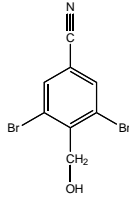
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1012S	1 mL



# Individual Pesticides

## Bromoxynil methyl ether

3,5-Dibromo-4-methoxybenzoxynitrile

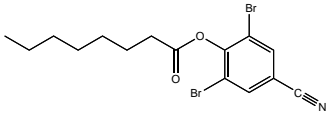


**CAS** 3336-39-8 **MF** C<sub>8</sub>H<sub>5</sub>Br<sub>2</sub>NO **MW** 290.94  
**PS S** **SG** 1.95 g/cm<sup>3</sup> **MP** 189-191 °C  
**SOL** M,A,D,T,TP

Matrix	Cat. No.	Unit
NEAT	P-573N	10 mg
100 µg/mL in MeOH	P-573S	1 mL

## Bromoxynil octanoate

2,6-Dibromo-4-cyanophenyl octanoate

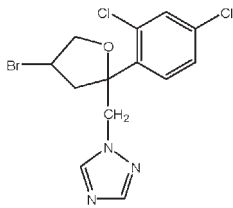


**CAS** 1689-99-2 **MF** C<sub>15</sub>H<sub>17</sub>Br<sub>2</sub>NO<sub>2</sub> **MW** 403.11 **PS S**  
**SG** 1.64 g/cm<sup>3</sup> **MP** 45-46 °C **SOL** A,EA,M,T, CN

Matrix	Cat. No.	Unit
NEAT	P-550N	10 mg
100 µg/mL in MeOH	P-550S	1 mL

## Bromuconazol

1-((2RS,4RS,2RS,4SR)-4-Bromo-2-(2,4-dichlorophenyl)tetrahydrofurfuryl)-1H-1,2,4-triazole

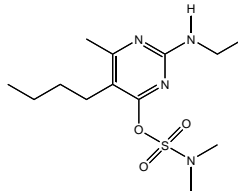


**CAS** 116255-48-2 **MF** C<sub>13</sub>H<sub>12</sub>BrCl<sub>2</sub>N<sub>3</sub>O **MW** 377.06  
**PS S** **SG** 1.71 g/cm<sup>3</sup> **MP** 84 °C **BP** Decomp.194°C  
**SOL** H,T,A,CN

Matrix	Cat. No.	Unit
NEAT	P-843N	10 mg
100 µg/mL in ACN	P-843S-CN	1 mL

## Bupirimate

5-Butyl-2-ethylamino-6-methylpyrimidin-4-yl dimethylsulfamate

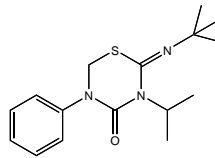


**CAS** 41483-43-6 **MF** C<sub>13</sub>H<sub>24</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 316.47 **S L**  
**SG** 1.20 g/cm<sup>3</sup> **MP** 50-51 °C **BP** 232 °C  
**FP** >100 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-672N	10 mg
100 µg/mL in MeOH	P-672S	1 mL
1000 µg/mL in MeOH	P-672S-10X	1 mL

## Buprofezin

2-tert-Butylimino-3-isopropyl-5-phenyl-1,3,5-thiadiazinan-4-one

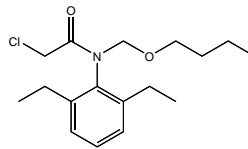


**CAS** 69327-76-0 **MF** C<sub>16</sub>H<sub>23</sub>N<sub>3</sub>OS **MW** 305.44  
**PS S** **SG** 1.18 g/cm<sup>3</sup> **MP** 104.5-105.5 °C **BP** 252°C  
**SOL** M,A,H,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-595N	10 mg
100 µg/mL in MeOH	P-595S	1 mL
1000 µg/mL in Acetone	P-595S-A-10X	1 mL

## Butachlor

N-Butoxymethyl-2-chloro-2',6'-diethylacetanilide



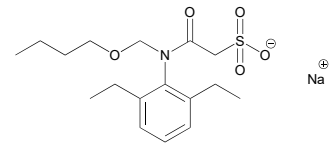
*Machette*

**CAS** 23184-66-9 **MF** C<sub>17</sub>H<sub>26</sub>ClNO<sub>2</sub> **MW** 311.89  
**PS L** **SG** 1.07 g/cm<sup>3</sup> **BP** 156 °C (0.5mm Hg)  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-191N	10 mg
100 µg/mL in MeOH	P-191S	1 mL
1000 µg/mL in MeOH	P-191S-10X	1 mL
1000 µg/mL in Acetone	P-191S-A-10X	1 mL

## Butachlor ESA sodium salt

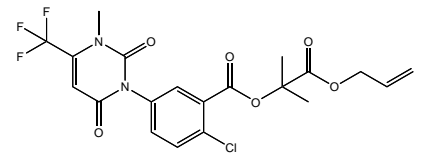
Sodium 2-[(2,6-diethylphenyl)(butoxymethyl)amino]-2-oxo-ethanesulfonate



**CAS** 1173022-75-7 **MF** C<sub>17</sub>H<sub>26</sub>NNaO<sub>5</sub>S **MW** 379  
**PS S** **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-913S	1 mL

## Butafenacil

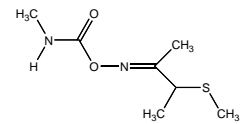


**CAS** 134605-64-4 **MF** C<sub>20</sub>H<sub>18</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>6</sub> **MW** 474.81  
**PS S** **SG** 1.41 g/cm<sup>3</sup> **MP** 113 °C **BP** 270 °C  
**SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-940N	10 mg
100 µg/mL in MeOH	P-940S	1 mL
1000 µg/mL in MeOH	P-940S-10X	1 mL

## Butocarboxim

3-(Methylthio)butanone O-methylcarbamoyloxime

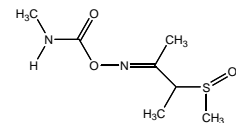


**CAS** 34681-10-2 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 190.29  
**PS S** **SG** 1.12 g/cm<sup>3</sup> **MP** 37 °C **SOL** M,CN,A,W

Matrix	Cat. No.	Unit
NEAT	P-518N	10 mg
100 µg/mL in MeOH	P-518S	1 mL
1000 µg/mL in MeOH	P-518S-10X	1 mL

## Butocarboxim sulfoxide

(5E)-6,7-Dimethyl-4-oxa-8-thia-2,5-diazanon-5-en-3-one 8-oxide



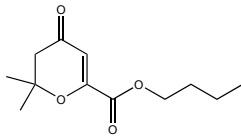
**CAS** 34681-24-8 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 206.26  
**PS S** **SG** 1.25 g/cm<sup>3</sup> **MP** 62-63 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-701N	10 mg
100 µg/mL in MeOH	P-701S	1 mL

# Individual Pesticides

## Butopyronoxyl

Butyl 2,2-dimethyl-4-oxo-3,4-dihydro-2H-pyran-6-carboxylate



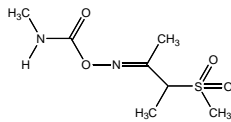
Indalone

**CAS** 532-34-3 **MF** C<sub>12</sub>H<sub>18</sub>O<sub>4</sub> **MW** 226.27 **PS** L  
**SG** 1.06 g/cm<sup>3</sup> **BP** 256-270 °C **FP** 157 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-648N	10 mg
100 µg/mL in MeOH	P-648S	1 mL

## Butoxycarboxim

3-Mesybutanone O-methylcarbamoyloxime



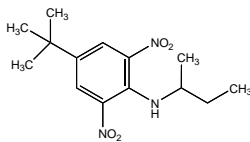
Butocarboxim sulfone

**CAS** 34681-23-7 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S **MW** 222.26 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 85-89 °C **SOL** A,T,IPA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-822N	10 mg
100 µg/mL in ACN	P-822S-CN	1 mL

## Butralin

N-sec-Butyl-4-tert-butyl-2,6-dinitroaniline

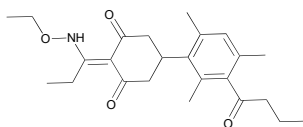


**CAS** 33629-47-9 **MF** C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O<sub>4</sub> **MW** 295.33 **PS** S  
**SG** 1.06 g/cm<sup>3</sup> **MP** 61 °C **BP** 134-136 °C (0.5mm Hg) **FP** 36 °C **SOL** M,A,CN,TP,EA,D

Matrix	Cat. No.	Unit
NEAT	P-574N	10 mg
100 µg/mL in MeOH	P-574S	1 mL
1000 µg/mL in MeOH	P-574S-10X	1 mL

## Butroxydim

2-[1-(Ethoxyimino)propyl]-3-hydroxy-5-[2,4,6-trimethyl-3-(1-oxobutyl)phenyl]-2-cyclohexen-1-one

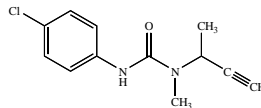


**CAS** 138164-12-2 **MF** C<sub>24</sub>H<sub>33</sub>NO<sub>4</sub> **MW** 399.53  
**PS** S **SG** 1.2 g/cm<sup>3</sup> **MP** 81 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1394S	1 mL

## Buturon

3-(4-Chlorophenyl)-1-methyl-1-(1-methylprop-2-ynyl)-urea

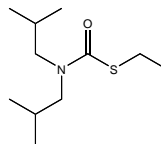


**CAS** 3766-60-7 **MF** C<sub>12</sub>H<sub>13</sub>ClN<sub>2</sub>O **MW** 236.72  
**PS** S **SG** 1.23 g/cm<sup>3</sup> **MP** 130-132 °C **FP** 193 °C  
**SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-301N	10 mg
100 µg/mL in ACN	P-301S-CN	1 mL

## Butylate

S-Ethyl diisobutylcarbamothioate



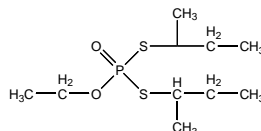
Sutan

**CAS** 2008-41-5 **MF** C<sub>11</sub>H<sub>23</sub>NOS **MW** 217.37  
**PS** L **SG** 0.94 g/cm<sup>3</sup> **BP** 138 °C (21mm Hg)  
**FP** 115 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-088N	10 mg
100 µg/mL in MeOH	P-088S	1 mL
1000 µg/mL in MeOH	P-088S-10X	1 mL

## Cadusafos

O-Ethyl-S,S-bis(1-methylpropyl)phosphorodithioate



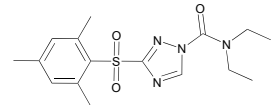
Apache, Ebufos

**CAS** 95465-99-9 **MF** C<sub>10</sub>H<sub>23</sub>O<sub>2</sub>PS<sub>2</sub> **MW** 270.39  
**P** L **SG** 1.05 g/cm<sup>3</sup> **BP** 112-114 °C (0.8mm Hg)  
**FP** 129 °C **SOL** A,CN,D,EA,T,M,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-794N	10 mg
100 µg/mL in MeOH	P-794S	1 mL
1000 µg/mL in Acetone	P-794S-A-10X	1 mL

## Cafenstrole

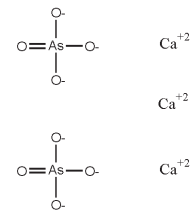
N,N-Diethyl-3-mesitylsulfonyl-1H-1,2,4-triazole-1-carboxamide



**CAS** 125306-83-4 **MF** C<sub>16</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>S **MW** 350.44  
**PS** S **SG** 1.30 g/cm<sup>3</sup> **MP** 115 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1214S-CN	1 mL
1000 µg/mL in ACN	P-1214S-CN-10X	1 mL

## Calcium arsenate

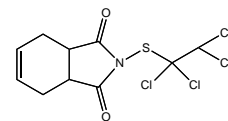


**CAS** 7778-44-1 **MF** As<sub>2</sub>Ca<sub>3</sub>O<sub>8</sub> **MW** 398.07 **PS** S  
**SG** 3.62 g/cm<sup>3</sup> **MP** Decomp. **SOL** M,EA,A,H

Matrix	Cat. No.	Unit
NEAT	P-1076N	10 mg

## Captafol

N-(1,1,2,2-Tetrachloroethylthio)cyclohex-4-ene-1,2-dicarboximide

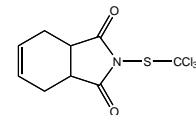


**CAS** 2425-06-1 **MF** C<sub>10</sub>H<sub>9</sub>Cl<sub>4</sub>NO<sub>2</sub>S **MW** 349.06  
**PS** S **SG** 1.75 g/cm<sup>3</sup> **MP** 160-161 °C **FP** >100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,IPA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-254N	10 mg
100 µg/mL in MeOH	P-254S	1 mL
500 µg/mL in MeOH	P-254S-5X	1 mL

## Captan

N-(Trichloromethylthio)cyclohex-4-ene-1,2-dicarboximide



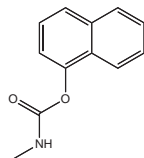
**CAS** 133-06-2 **MF** C<sub>9</sub>H<sub>8</sub>Cl<sub>3</sub>NO<sub>2</sub>S **MW** 300.59  
**PS** S **SG** 1.74 g/cm<sup>3</sup> **MP** 178 °C  
**SOL** M,A,D,H,T,CN,TP,EA, IPA

Matrix	Cat. No.	Unit
NEAT	P-182N	10 mg
100 µg/mL in MeOH	P-182S	1 mL
500 µg/mL in MeOH	P-182S-5X	1 mL

# Individual Pesticides

## Carbaryl

1-Naphthyl methylcarbamate



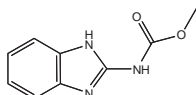
Sevin

**CAS** 63-25-2 **MF** C<sub>12</sub>H<sub>11</sub>NO<sub>2</sub> **MW** 201.22 **PS** S  
**SG** 1.23 g/cm<sup>3</sup> **MP** 142 °C  
**SOL** M,A,D,H,T,CN,EA,DMSO,IPA

Matrix	Cat. No.	Unit
NEAT	P-083N	10 mg
100 µg/mL in MeOH	P-083S	1 mL
1000 µg/mL in MeOH	P-083S-10X	1 mL
1000 µg/mL in ACN	P-083S-CN-10X	1 mL

## Carbendazim

Methyl benzimidazole-2-ylcarbamate



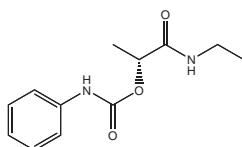
MBC

**CAS** 10605-21-7 **MF** C<sub>9</sub>H<sub>9</sub>N<sub>3</sub>O<sub>2</sub> **MW** 191.19 **PS** S  
**SG** 1.45 g/cm<sup>3</sup> **MP** 302-307 °C **SOL** M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-278N	10 mg
100 µg/mL in MeOH	P-278S	1 mL

## Carbetamide

(R)-1-(Ethylcarbamoyl)ethyl carbanilate

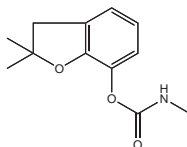


**CAS** 16118-49-3 **MF** C<sub>12</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub> **MW** 236.27 **PS** S  
**SG** 1.17 g/cm<sup>3</sup> **MP** 119 °C **BP** 235 °C  
**SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-562N	10 mg
100 µg/mL in MeOH	P-562S	1 mL
1000 µg/mL in MeOH	P-562S-10X	1 mL

## Carbofuran

2,3-Dihydro-2,2-dimethyl-7-benzofuranyl methylcarbamate



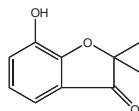
Furadan

**CAS** 1563-66-2 **MF** C<sub>12</sub>H<sub>13</sub>NO<sub>3</sub> **MW** 221.25 **PS** S  
**SG** 1.18 g/cm<sup>3</sup> **MP** 154 °C  
**SOL** M,A,D,H,T,CN,TP,EA,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-106N	10 mg
100 µg/mL in MeOH	P-106S	1 mL
1000 µg/mL in MeOH	P-106S-10X	1 mL
1000 µg/mL in ACN	P-106S-CN-10X	1 mL

## Carbofuran phenol-3-ketone

7-Hydroxy-2,2-dimethyl-benzofuran-3-one

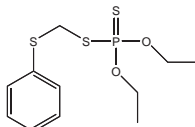


**CAS** 17781-16-7 **MF** C<sub>10</sub>H<sub>10</sub>O<sub>3</sub> **MW** 178.18 **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-630S	1 mL

## Carbophenothion

S-(4-Chlorophenylthiomethyl) O,O-diethylphosphorodithioate

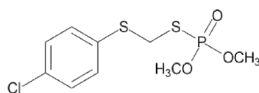


Garrathion, Phencapton, Trithion

**CAS** 786-19-6 **MF** C<sub>11</sub>H<sub>16</sub>ClO<sub>2</sub>PS<sub>2</sub> **MW** 342.87  
**PS** L **SG** 1.28 g/cm<sup>3</sup> **BP** 82 °C (0.01mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-095N	10 mg
100 µg/mL in MeOH	P-095S	1 mL
1000 µg/mL in Acetone	P-095S-A-10X	1 mL

## Carbophenothion methyl-o-analog

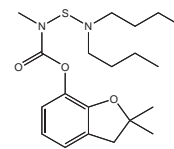


**CAS** 7332-32-3 **MF** C<sub>9</sub>H<sub>12</sub>ClO<sub>3</sub>PS<sub>2</sub> **MW** 298.9  
**SG** 1.30 g/cm<sup>3</sup> **BP** 330 °C **SOL** EA

Matrix	Cat. No.	Unit
10 µg/mL in EA	P-637S-EA-0.1X	1 mL

## Carbosulfan

2,3-Dihydro-2,2,-dimethylbenzofuran-7-yl (dibutylaminothio)methylcarbamate

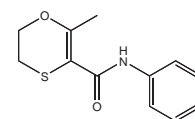


**CAS** 55285-14-8 **MF** C<sub>20</sub>H<sub>32</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 380.55  
**PS** L **SG** 1.05 g/cm<sup>3</sup> **BP** 124-128 °C **FP** 95 °C  
**SOL** M,A,T,CN,EA,D,H

Matrix	Cat. No.	Unit
NEAT	P-446N	10 mg
100 µg/mL in ACN	P-446S-CN	1 mL

## Carboxin

5,6-Dihydro-2-methyl-1,4-oxathi-ine-3-carboxanilide



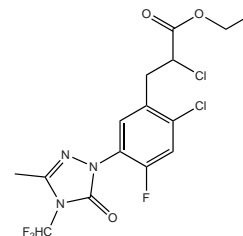
Carbathiin

**CAS** 5234-68-4 **MF** C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>S **MW** 235.32  
**PS** S **SG** 1.36 g/cm<sup>3</sup> **MP** 91-92 °C  
**SOL** M,A,D,H,CN,EA,T,W

Matrix	Cat. No.	Unit
NEAT	P-216N	10 mg
100 µg/mL in MeOH	P-216S	1 mL
1000 µg/mL in ACN	P-216S-CN-10X	1 mL

## Carfentrazone-ethyl

Ethyl-α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoate



**CAS** 128639-02-1 **MF** C<sub>15</sub>H<sub>14</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub> **MW** 412.19  
**PS** L **SG** 1.46 g/cm<sup>3</sup> **BP** 353 °C  
**SOL** M,A,CN,EA,T,H,D

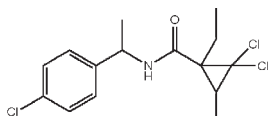
Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-957S-CN	1 mL
1000 µg/mL in ACN	P-957S-CN-10X	1 mL



# Individual Pesticides

## Carpopamid

2,2-Dichloro-N-(1-(4-chlorophenyl)ethyl)-1-ethyl-3-methyl cyclopropanecarboxamide

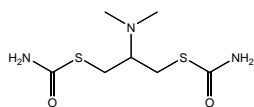


**CAS** 104030-54-8 **MF** C<sub>15</sub>H<sub>18</sub>Cl<sub>3</sub>NO **MW** 334.67  
**PS S SG** 1.17 g/cm<sup>3</sup> **MP** 160 °C

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1162S-CN	1 mL
1000 µg/mL in ACN	P-1162S-CN-10X	1 mL

## Cartap

S,S'-(2-Dimethylaminotrimethylene) bis(thiocarbamate)

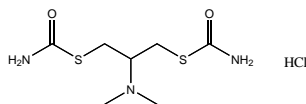


**CAS** 15263-53-3 **MF** C<sub>7</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S<sub>2</sub> **MW** 273.35  
**PS S SG** 1.31 g/cm<sup>3</sup> **MP** 131 °C **SOL** H,T,A,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH:ACN	P-577S-M-CN	1 mL

## Cartap hydrochloride

S,S'-(2-Dimethylaminotrimethylene) bis(thiocarbamate) hydrochloride

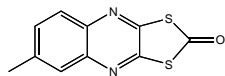


**CAS** 22042-59-7 **MF** C<sub>7</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S<sub>2</sub>·HCl **MW** 237.35  
**PS S MP** 179-181 °C **SOL** CN,W

Matrix	Cat. No.	Unit
NEAT	P-949N	10 mg
1000 µg/mL in ACN:MeOH	P-949S-M-CN-10X	1 mL

## Chinomethionate

6-Methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one



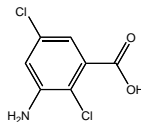
*Morestan, Oxythioquinox*

**CAS** 2439-01-2 **MF** C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>OS<sub>2</sub> **MW** 234.3 **PS S**  
**SG** 1.56 g/cm<sup>3</sup> **MP** 170 °C **SOL** T,D,H,M,A,CN,IPA

Matrix	Cat. No.	Unit
NEAT	P-399N	10 mg
100 µg/mL in Acetone	P-399S-A	1 mL
1000 µg/mL in Acetone	P-399S-A-10X	1 mL

## Chloramben

3-Amino-2,5-dichlorobenzoic acid



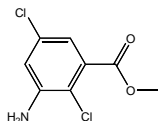
*Amiben*

**CAS** 133-90-4 **MF** C<sub>7</sub>H<sub>5</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 206.03  
**PS S SG** 1.61 g/cm<sup>3</sup> **MP** 200-201 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-243N	10 mg
100 µg/mL in MeOH	P-243S	1 mL

## Chloramben methyl ester

Methyl 3-amino-2,5-dichlorobenzoate

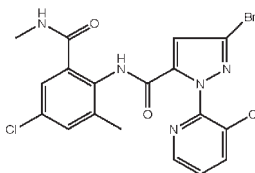


**CAS** 7286-84-2 **MF** C<sub>8</sub>H<sub>7</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 220.06 **PS L**  
**SG** 1.43 g/cm<sup>3</sup> **MP** 49-50 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-272N	10 mg
100 µg/mL in MeOH	P-272S	1 mL

## Chlorantraniliprole

3-Bromo-4'-chloro-1-(3-chloro-2-pyridyl)-2'-methyl-6'-(methylcarbamoyl)pyrazole-5-carboxanilide



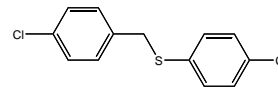
*Altacor, Rynaxypr*

**CAS** 500008-45-7 **MF** C<sub>18</sub>H<sub>14</sub>BrCl<sub>2</sub>N<sub>5</sub>O<sub>2</sub> **MW** 483.15  
**PS S SG** 1.51 g/cm<sup>3</sup> **MP** 250-252 °C  
**SOL** A,CN,D,EA,M

Matrix	Cat. No.	Unit
NEAT	P-952N	10 mg
100 µg/mL in MeOH	P-952S	1 mL
1000 µg/mL in MeOH	P-952S-10X	1 mL

## Chlorbenside

4-Chlorobenzyl 4-chlorophenyl sulfide

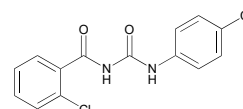


**CAS** 103-17-3 **MF** C<sub>13</sub>H<sub>10</sub>Cl<sub>2</sub>S **MW** 269.19 **PS S**  
**SG** 1.42 g/cm<sup>3</sup> **MP** 75 °C **BP** 83-84 °C (0.0024 mm Hg) **SOL** M,D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-107N	10 mg
100 µg/mL in MeOH	P-107S	1 mL
1000 µg/mL in MeOH	P-107S-10X	1 mL

## Chlorbenzuron

2-Chloro-N-[(4-chlorophenyl)carbamoyl]benzamide

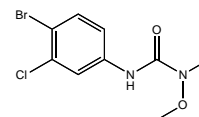


**CAS** 57160-47-1 **MF** C<sub>14</sub>H<sub>10</sub>N<sub>2</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 309.15  
**PS S SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1163S-CN	1 mL
1000 µg/mL in ACN	P-1163S-CN-10X	1 mL

## Chlorbromuron

3-(4-Bromo-3-chlorophenyl)-1-methoxy-1-methylurea



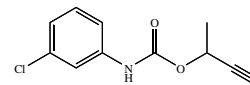
*Maloran*

**CAS** 13360-45-7 **MF** C<sub>9</sub>H<sub>10</sub>BrClN<sub>2</sub>O<sub>2</sub> **MW** 293.54  
**PS S SG** 1.69 g/cm<sup>3</sup> **MP** 95-97 °C  
**SOL** A,D,H,M, CN

Matrix	Cat. No.	Unit
NEAT	P-520N	10 mg
100 µg/mL in MeOH	P-520S	1 mL

## Chlorbufam

1-Methylprop-2-ynyl 3-chlorocarbanilate



**CAS** 1967-16-4 **MF** C<sub>11</sub>H<sub>10</sub>ClNO<sub>2</sub> **MW** 223.66  
**PS S SG** 1.28 g/cm<sup>3</sup> **MP** 45 °C **BP** 270 °C  
**FP** 117 °C **SOL** M,A,T,CN

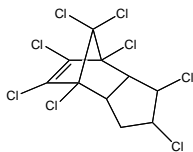
Matrix	Cat. No.	Unit
NEAT	P-558N	10 mg
100 µg/mL in MeOH	P-558S	1 mL
1000 µg/mL in MeOH	P-558S-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Chlordane (Tech Mix)

1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene



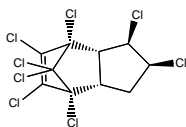
Octachlor

CAS 12789-03-6 MF C<sub>10</sub>H<sub>6</sub>Cl<sub>8</sub> MW 409.78 PS L  
SG 1.59-1.63 g/cm<sup>3</sup> BP 381 °C SOL M,A,H,T,TP,IPA

Matrix	Cat. No.	Unit
NEAT	P-017N	10 mg
100 µg/mL in MeOH	P-017S	1 mL
1000 µg/mL in MeOH	P-017S-10X	1 mL
100 µg/mL in ACN	P-017S-CN	1 mL
1000 µg/mL in Hexane	P-017S-H-10X	1 mL

## a-Chlordane

(1alpha,2alpha,3aalpha,4beta,7beta,7aalpha)-1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene



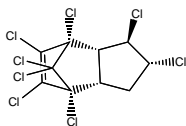
cis-Chlordane

CAS 5103-71-9 MF C<sub>10</sub>H<sub>6</sub>Cl<sub>8</sub> MW 409.76 PS S  
SG 1.59-1.63 g/cm<sup>3</sup> MP 106-107 °C BP 381 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-134N	10 mg
100 µg/mL in MeOH	P-134S	1 mL
100 µg/mL in Hexane	P-134S-H	1 mL
1000 µg/mL in Acetone	P-134S-A-10X	1 mL

## g-Chlordane

(1alpha,2beta,3aalpha,4beta,7beta,7aalpha)-1,2,4,5,6,7,8,8-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene



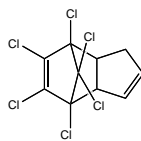
trans-Chlordane

CAS 5103-74-2 MF C<sub>10</sub>H<sub>6</sub>Cl<sub>8</sub> MW 409.76 PS S  
SG 1.59-1.63 g/cm<sup>3</sup> MP 104-105 °C BP 381 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-135N	10 mg
100 µg/mL in MeOH	P-135S	1 mL
1000 µg/mL in MeOH	P-135S-10X	1 mL
1000 µg/mL in Acetone	P-135S-A-10X	1 mL

## Chlordene

4,5,6,7,8,8-Hexachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

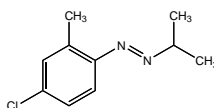


CAS 3734-48-3 MF C<sub>10</sub>H<sub>6</sub>Cl<sub>6</sub> MW 338.86 PS S  
MP 159 °C SOL M,A,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-136N	10 mg
100 µg/mL in MeOH	P-136S	1 mL

## Chlordimeform

N,N-Dimethyl-N'-[2-methyl-4-chlorophenyl]formamidine

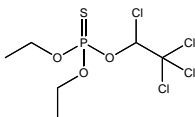


CAS 6164-98-3 MF C<sub>10</sub>H<sub>13</sub>ClN<sub>2</sub> MW 196.7 PS S  
SG 1.10 g/cm<sup>3</sup> MP 32-35 °C BP 300 °C  
SOL M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-333N	10 mg
100 µg/mL in ACN	P-333S-CN	1 mL

## Chlorethoxyfos

O,O-Diethyl O-(1,2,2-tetrachloroethyl) phosphorothioate

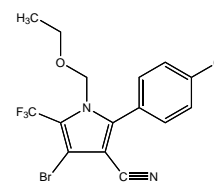


CAS 54593-83-8 MF C<sub>6</sub>H<sub>11</sub>Cl<sub>4</sub>O<sub>3</sub>PS MW 336.00  
PS L SG 1.41 g/cm<sup>3</sup> BP 105-115 °C (0.8mm Hg)  
FP 230 °C SOL A,CN,H

Matrix	Cat. No.	Unit
NEAT	P-1017N	10 mg
100 µg/mL in ACN	P-1017S-CN	1 mL
1000 µg/mL in ACN	P-1017S-CN-10X	1 mL

## Chlorfenapyr

4-Bromo-2-(4-chlorophenyl)-1-ethoxymethyl-5-trifluoromethylpyrrole-3-carbonitrile



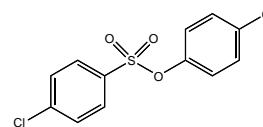
Pirate

CAS 122453-73-0 MF C<sub>15</sub>H<sub>11</sub>BrClF<sub>3</sub>N<sub>2</sub>O MW 407.61  
PS S SG 1.53 g/cm<sup>3</sup> MP 100-101 °C BP 444 °C  
FP 222 °C SOL M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-807N	10 mg
100 µg/mL in MeOH	P-807S	1 mL
1000 µg/mL in Acetone	P-807S-A-10X	1 mL

## Chlorfensulfon

4-Chlorophenyl 4-chlorobenzenesulfonate



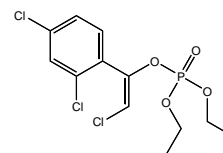
Overex

CAS 80-33-1 MF C<sub>12</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>3</sub>S MW 303.16 PS S  
SG 1.46 g/cm<sup>3</sup> MP 86 °C SOL M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-425N	10 mg
100 µg/mL in MeOH	P-425S	1 mL
1000 µg/mL in MeOH	P-425S-10X	1 mL

## Chlorfenvinphos

2-Chloro-1-(2,4-dichlorophenyl)vinyl diethylphosphate



Supona

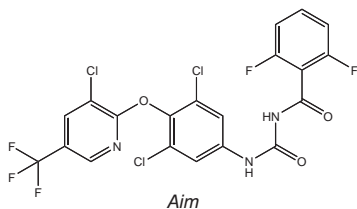
CAS 470-90-6 MF C<sub>12</sub>H<sub>14</sub>Cl<sub>3</sub>O<sub>2</sub>P MW 359.58  
PS L SG 1.36 g/cm<sup>3</sup> BP 390 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-139N	10 mg
100 µg/mL in MeOH	P-139S	1 mL
1000 µg/mL in Acetone	P-139S-A-10X	1 mL

# Individual Pesticides

## Chlorfluazuron

N-(((3,5-Dichloro-4-((3-chloro-5-(trifluoromethyl)-2-pyridinyl)oxy)phenyl)amino)carbonyl)-2,6-difluorobenzamide



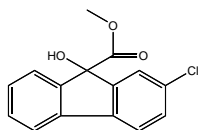
Aim

CAS 71422-67-8 MF C<sub>20</sub>H<sub>9</sub>Cl<sub>3</sub>F<sub>5</sub>N<sub>3</sub>O<sub>3</sub> MW 540.65  
PS S SG 1.66 g/cm<sup>3</sup> MP 227 °C  
SOL M,T,IPA,D,A,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-771S-CN	1 mL
1000 µg/mL in Acetone	P-771S-A-10X	1 mL

## Chlorfluorecol-methyl ester

Methyl 2-chloro-9-hydroxyfluorene-9-carboxylate



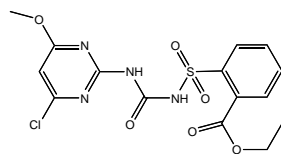
Chlorfluorecol-methyl

CAS 2536-31-4 MF C<sub>14</sub>H<sub>9</sub>ClO<sub>3</sub> MW 260.68 PS S  
SG 1.42 g/cm<sup>3</sup> MP 152 °C SOL A,M,IPA,CN

Matrix	Cat. No.	Unit
NEAT	P-401N	10 mg
100 µg/mL in MeOH	P-401S	1 mL
1000 µg/mL in MeOH	P-401S-10X	1 mL

## Chlorimuron-ethyl

Ethyl 2-(((4-chloro-6-methoxypyrimidine-2-yl)amino-carbonyl)aminosulfonyl)benzoate



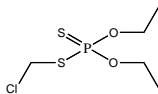
Classic

CAS 90982-32-4 MF C<sub>15</sub>H<sub>15</sub>ClN<sub>4</sub>O<sub>6</sub>S MW 414.82  
PS S SG 1.49 g/cm<sup>3</sup> MP 180-182 °C SOL A,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-284S-CN	1 mL
1000 µg/mL in ACN	P-284S-CN-10X	1 mL

## Chlormephos

S-Chloromethyl O,O-diethyl phosphorothioate

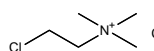


CAS 24934-91-6 MF C<sub>5</sub>H<sub>12</sub>ClO<sub>2</sub>PS<sub>2</sub> MW 234.71  
PS L SG 1.26 g/cm<sup>3</sup> BP 81-85 °C (0.1mm Hg)  
SOL M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-329N	10 mg
100 µg/mL in MeOH	P-329S	1 mL

## Chloromequat chloride

(2-Chloroethyl)trimethylammonium chloride



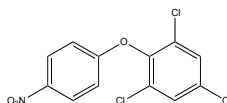
Chlorocholine chloride

CAS 999-81-5 MF C<sub>5</sub>H<sub>13</sub>ClN MW 158.09 PS S  
SG 1.14 g/cm<sup>3</sup> MP 235 °C SOL M,A,EA

Matrix	Cat. No.	Unit
NEAT	P-338N	10 mg
100 µg/mL in MeOH	P-338S	1 mL

## Chlornitrofen

4-Nitrophenyl 2,4,6-trichlorophenyl ether

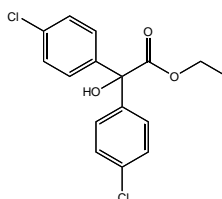


CAS 1836-77-7 MF C<sub>12</sub>H<sub>6</sub>Cl<sub>3</sub>NO<sub>3</sub> MW 318.54  
PS S SG 1.53 g/cm<sup>3</sup> MP 107 °C BP 210 °C  
SOL TP,CN,A

Matrix	Cat. No.	Unit
NEAT	P-816N-5MG	5 mg
100 µg/mL in ACN	P-816S-CN	1 mL

## Chlorobenzilate

Ethyl-4,4'-Dichlorobenzilate

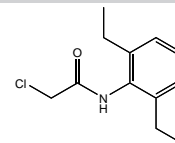


Folbex

CAS 510-15-6 MF C<sub>16</sub>H<sub>14</sub>Cl<sub>2</sub>O<sub>3</sub> MW 325.19 PS S  
SG 1.28 g/cm<sup>3</sup> MP 37 °C BP 415 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-133N	10 mg
100 µg/mL in ACN	P-133S-CN	1 mL
1000 µg/mL in ACN	P-133S-CN-10X	1 mL
1000 µg/mL in Acetone	P-133S-A-10X	1 mL

## 2-Chloro-2',6'-diethylacetanilide



CAS 6967-29-9 MF C<sub>12</sub>H<sub>16</sub>ClNO MW 225.72  
PS S SG 1.13 g/cm<sup>3</sup> MP 128-132 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-620N	10 mg
100 µg/mL in MeOH	P-620S	1 mL

## 2-Chloroethanol

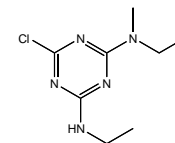
Ethylene chlorhydrin



CAS 107-07-3 MF C<sub>2</sub>H<sub>5</sub>ClO MW 80.51 PS L  
SG 1.20 g/cm<sup>3</sup> BP 128-129 °C FP 55 °C  
SOL M,D,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-1079N	10 mg
100 µg/mL in MeOH	P-1079S	1 mL

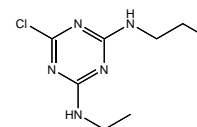
## 2-Chloro-4-ethylamino-6-methylethylamino-s-triazine



CAS 3084-92-2 MF C<sub>8</sub>H<sub>14</sub>ClN<sub>5</sub> MW 215.68 SOL MC

Matrix	Cat. No.	Unit
NEAT	P-539N	10 mg
100 µg/mL in MC	P-539S-MC	1 mL

## 2-Chloro-4-ethylamino-6-propylamino-s-triazine

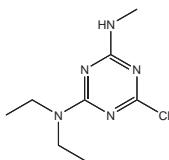


CAS 90952-64-0 MF C<sub>8</sub>H<sub>14</sub>ClN<sub>5</sub> MW 215.68 PS S  
MP 203-206 °C SOL MC

Matrix	Cat. No.	Unit
NEAT	P-537N	10 mg
100 µg/mL in MC	P-537S-MC	1 mL

# Individual Pesticides

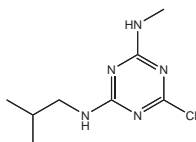
## 2-Chloro-4-methylamino-6-diethyl amino-s-triazine



CAS 83807-82-3 MF C<sub>8</sub>H<sub>14</sub>ClN<sub>5</sub> MW 215.68  
SOL MC

Matrix	Cat. No.	Unit
NEAT	P-541N	10 mg
100 µg/mL in MC	P-541S-MC	1 mL

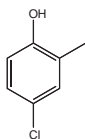
## 2-Chloro-4-methylamino-6-sec-butyl amino-s-triazine



CAS 33692-99-8 MF C<sub>9</sub>H<sub>14</sub>ClN<sub>5</sub> MW 215.68  
SOL MC

Matrix	Cat. No.	Unit
NEAT	P-540N	10 mg
100 µg/mL in MC	P-540S-MC	1 mL

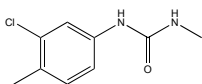
## 4-Chloro-2-methylphenol



CAS 1570-64-5 MF C<sub>7</sub>H<sub>7</sub>ClO MW 142.58 PS S  
SG 1.23 g/cm<sup>3</sup> MP 51 °C BP 223 °C FP 78 °C  
SOL M,A,D,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-1026N	10 mg
100 µg/mL in MeOH	P-1026S	1 mL

## 1-(3-Chloro-4-methylphenyl)-3-methylurea

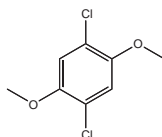


CAS 22175-22-0 MF C<sub>9</sub>H<sub>11</sub>ClN<sub>2</sub>O MW 198.65  
PS S SOL A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1368S-CN	1 mL

## Chloroneb

1,4-Dichloro-2,5-dimethoxybenzene



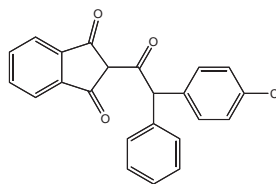
Demosan, Terraneb

CAS 2675-77-6 MF C<sub>8</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>2</sub> MW 207.06 PS S  
SG 1.28 g/cm<sup>3</sup> MP 133-135 °C BP 268 °C  
FP 161 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-212N	10 mg
100 µg/mL in MeOH	P-212S	1 mL
1000 µg/mL in MeOH	P-212S-10X	1 mL

## Chlorophacinone

2-[2-(4-Chlorophenyl)-2-phenylacetyl]indan-1,3-dione

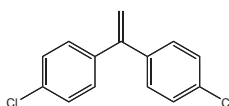


Rozol

CAS 3691-35-8 MF C<sub>23</sub>H<sub>15</sub>ClO<sub>3</sub> MW 374.83 PS S  
SG 1.43 g/cm<sup>3</sup> MP 140 °C SOL M,A,CN,H,EA,W

Matrix	Cat. No.	Unit
NEAT	P-314N	10 mg
100 µg/mL in MeOH	P-314S	1 mL

## 1,1-bis(4-Chlorophenyl)ethylene

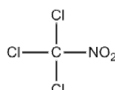


CAS 2642-81-1 MF C<sub>14</sub>H<sub>10</sub>Cl<sub>2</sub> MW 249.13 PS S  
SG 1.21 g/cm<sup>3</sup> MP 86-88 °C BP 349-350 °C  
FP 159 °C SOL M,D,H

Matrix	Cat. No.	Unit
NEAT	P-1054N	10 mg
100 µg/mL in MeOH	P-1054S	1 mL

## Chloropicrin

Trichloronitromethane

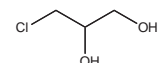


Nitrochloroform

CAS 76-06-2 MF CCl<sub>3</sub>NO<sub>2</sub> MW 164.37 PS L  
SG 1.66 g/cm<sup>3</sup> BP 112 °C SOL M,A,TP,H,W

Matrix	Cat. No.	Unit
NEAT	P-398N	10 mg
100 µg/mL in MeOH	P-398S	1 mL
1000 µg/mL in MeOH	P-398S-10X	1 mL

## 3-Chloro-1,2-propanediol

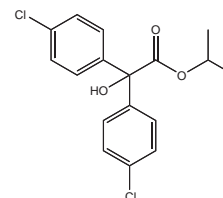


CAS 96-24-2 MF C<sub>3</sub>H<sub>7</sub>ClO<sub>2</sub> MW 110.55 PS L  
SG 1.32 g/cm<sup>3</sup> BP 213 °C FP 113 °C  
SOL M,D,H,EA

Matrix	Cat. No.	Unit
NEAT	P-408N	10 mg
100 µg/mL in MeOH	P-408S	1 mL

## Chloropropylate

Isopropyl 4,4'-dichlorobenzilate

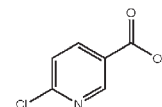


CAS 5836-10-2 MF C<sub>17</sub>H<sub>16</sub>Cl<sub>2</sub>O<sub>3</sub> MW 339.23 PS S  
SG 1.30 g/cm<sup>3</sup> MP 73 °C BP 148-150 °C (0.5mm Hg)  
SOL A,D,H,T,M,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-213N	10 mg
100 µg/mL in MeOH	P-213S	1 mL
1000 µg/mL in MeOH	P-213S-10X	1 mL

## 6-Chloropyridine-3-carboxylic acid

6-Chloronicotinic acid

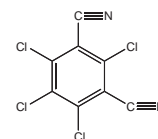


CAS 5326-23-8 MF C<sub>6</sub>H<sub>4</sub>ClNO<sub>2</sub> MW 157.55 PS S  
SG 1.50 g/cm<sup>3</sup> MP 190-192 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-1267N	10 mg
100 µg/mL in MeOH	P-1267S	1 mL
1000 µg/mL in ACN	P-1267S-CN-10X	1 mL

## Chlorothalonil

Tetrachloroisophthalonitrile



Daconil

CAS 1897-45-6 MF C<sub>8</sub>Cl<sub>4</sub>N<sub>2</sub> MW 265.91 PS S  
SG 1.80 g/cm<sup>3</sup> MP 250-251 °C BP 350 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-222N	10 mg
100 µg/mL in MeOH	P-222S	1 mL
1000 µg/mL in MeOH	P-222S-10X	1 mL

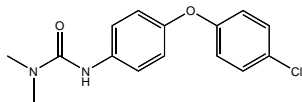
▲ May esterify in methanol



# Individual Pesticides

## Chloroxuron

3-[4-(4-Chlorophenoxy)phenyl]-1,1-dimethylurea

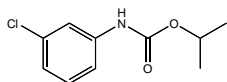


**CAS** 1982-47-4 **MF** C<sub>15</sub>H<sub>15</sub>ClN<sub>2</sub>O<sub>2</sub> **MW** 290.77  
**PS** S **SG** 1.27 g/cm<sup>3</sup> **MP** 151 °C **FP** >100 °C  
**SOL** M,A,D,CN,EA,T

Matrix	Cat. No.	Unit
NEAT	P-402N	10 mg
100 µg/mL in MeOH	P-402S	1 mL

## Chlorpropham

Isopropyl 3-chlorophenylcarbamate



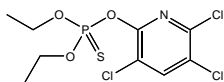
Isopropyl 3-chlorocarbanilate, CIPC

**CAS** 101-21-3 **MF** C<sub>10</sub>H<sub>12</sub>ClNO<sub>2</sub> **MW** 213.66 **PS** S  
**SG** 1.18 g/cm<sup>3</sup> **MP** 41 °C **BP** Decomp. 150 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-221N	10 mg
100 µg/mL in MeOH	P-221S	1 mL
1000 µg/mL in Acetone	P-221S-A-10X	1 mL

## Chlorpyrifos

O,O-Diethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate



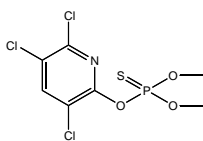
Brodan, Eradex, Dursban

**CAS** 2921-88-2 **MF** C<sub>9</sub>H<sub>11</sub>Cl<sub>3</sub>NO<sub>3</sub>PS **MW** 350.59  
**PS** S **SG** 1.51 g/cm<sup>3</sup> **MP** 37-38 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-094N	10 mg
100 µg/mL in MeOH	P-094S	1 mL
1000 µg/mL in MeOH	P-094S-10X	1 mL
1000 µg/mL in Acetone	P-094S-A-10X	1 mL

## Chlorpyrifos-methyl

O,O-Dimethyl O-3,5,6-trichloro-2-pyridyl phosphorothioate



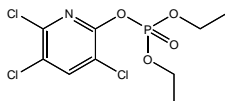
Reldan

**CAS** 5598-13-0 **MF** C<sub>7</sub>H<sub>7</sub>Cl<sub>3</sub>NO<sub>3</sub>PS **MW** 322.53  
**PS** S **SG** 1.64 g/cm<sup>3</sup> **MP** 46 °C **FP** 182 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-223N	10 mg
100 µg/mL in MeOH	P-223S	1 mL
1000 µg/mL in Acetone	P-223S-A-10X	1 mL

## Chlorpyrifos-oxon

Diethyl-3,5,6-trichloro-2-pyridinyl phosphate



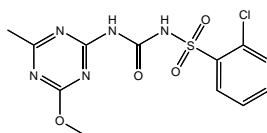
Chlorpyrifos-O-analog

**CAS** 5598-15-2 **MF** C<sub>9</sub>H<sub>11</sub>Cl<sub>3</sub>NO<sub>4</sub>P **MW** 334.53  
**PS** S **SG** 1.46 g/cm<sup>3</sup> **MP** 41 °C **SOL** M,A,D,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-700N	10 mg
100 µg/mL in ACN	P-700S-CN	1 mL

## Chlorsulfuron

1-(2-Chlorophenylsulfonyl)-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)urea

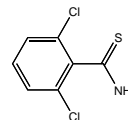


**CAS** 64902-72-3 **MF** C<sub>12</sub>H<sub>12</sub>ClN<sub>5</sub>O<sub>4</sub>S **MW** 357.77  
**PS** S **SG** 1.48 g/cm<sup>3</sup> **MP** 174-175 °C **BP** Decomp. 150 °C  
**SOL** A,D,M,T,CN,EA,H,W

Matrix	Cat. No.	Unit
NEAT	P-262N	10 mg
100 µg/mL in ACN	P-262S-CN	1 mL
1000 µg/mL in ACN	P-262S-CN-10X	1 mL

## Chlorthiamid

2,6-Dichlorothiobenzamide

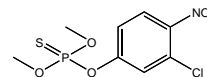


**CAS** 1918-13-4 **MF** C<sub>7</sub>H<sub>5</sub>Cl<sub>2</sub>NS **MW** 206.09 **PS** S  
**SG** 1.47 g/cm<sup>3</sup> **MP** 151-152 °C **SOL** M,CN,W

Matrix	Cat. No.	Unit
NEAT	P-673N	10 mg
100 µg/mL in MeOH	P-673S	1 mL

## Chlorthion

O-3-Chloro-4-nitrophenyl O,O-dimethyl phosphorothioate

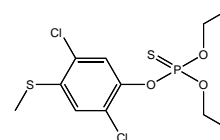


**CAS** 500-28-7 **MF** C<sub>8</sub>H<sub>9</sub>ClNO<sub>5</sub>PS **MW** 297.65  
**PS** S or L **SG** 1.44 g/cm<sup>3</sup> **MP** 21 °C **BP** 125 °C  
**FP** 176 °C **SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-674S	1 mL
1000 µg/mL in MeOH	P-674S-10X	1 mL

## Chlorthiophos

O-(Dichloro(methylthio)phenyl) O,O-diethyl phosphorothioate, mixed isomers

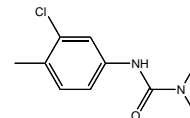


**CAS** 60238-56-4 **MF** C<sub>11</sub>H<sub>15</sub>Cl<sub>2</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 361.25  
**PS** L **SG** 1.46 g/cm<sup>3</sup> **BP** >200 °C **SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-545N	10 mg
100 µg/mL in MeOH	P-545S	1 mL
1000 µg/mL in MeOH	P-545S-10X	1 mL

## Chlortoluron

3-(3-Chloro-p-tolyl)-1,1-dimethylurea



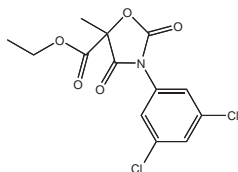
**CAS** 15545-48-9 **MF** C<sub>10</sub>H<sub>13</sub>ClN<sub>2</sub>O **MW** 212.68  
**PS** S **SG** 1.40 g/cm<sup>3</sup> **MP** 148 °C  
**SOL** M,A,D,CN,EA,T

Matrix	Cat. No.	Unit
NEAT	P-434N	10 mg
100 µg/mL in MeOH	P-434S	1 mL
1000 µg/mL in MeOH	P-434S-10X	1 mL

# Individual Pesticides

## Chlozolinate

Ethyl-3-(3,5-dichlorophenyl)-5-methyl-2,4-dioxo-5-oxazolidinecarboxylate

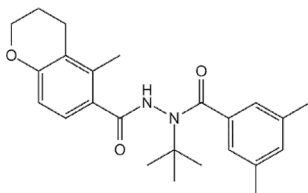


**CAS** 84332-86-5 **MF** C<sub>13</sub>H<sub>11</sub>Cl<sub>2</sub>NO<sub>5</sub> **MW** 332.15  
**PS S** **SG** 1.42 g/cm<sup>3</sup> **MP** 113 - 114 °C **FP** >200 °C  
**SOL** M,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-683S-CN	1 mL
1000 µg/mL in ACN	P-683S-CN-10X	1 mL

## Chromafenozide

2'-tert-Butyl-5-methyl-2'-(3,5-xyloyl)chromane-6-carbohydrazide

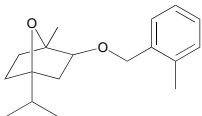


**CAS** 143807-66-3 **MF** C<sub>24</sub>H<sub>30</sub>N<sub>2</sub>O<sub>3</sub> **MW** 394.5 **PS S**  
**SG** 1.17 g/cm<sup>3</sup> **MP** 186.4 °C **BP** 205 °C  
**SOL** CN,EA,A,M,D,T

Matrix	Cat. No.	Unit
1000 µg/mL in ACN	P-974S-CN-10X	1 mL

## Cinmethylin

exo-1-Methyl-4-(1-methylethyl)-2-[(2-methylphenyl)methoxy]-7-oxabicyclo[2.2.1]heptane

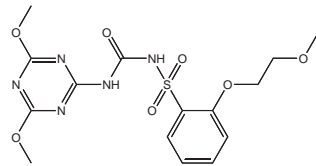


**CAS** 87818-31-3 **MF** C<sub>18</sub>H<sub>26</sub>O<sub>2</sub> **MW** 274.4 **PS L**  
**SG** 1.01 g/cm<sup>3</sup> **BP** decomp. 145 °C **FP** 147 °C  
**SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-1157N	10 mg
100 µg/mL in ACN	P-1157S-CN	1 mL
1000 µg/mL in ACN	P-1157S-CN-10X	1 mL

## Cinosulfuron

1-(4,6-Dimethoxy-1,3,5-triazin-2-yl)-3-(2-(2-methoxyethoxy)phenylsulfonyl)urea

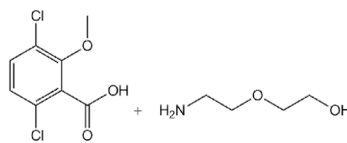


**CAS** 94593-91-6 **MF** C<sub>15</sub>H<sub>19</sub>N<sub>5</sub>O<sub>7</sub>S **MW** 413.41  
**PS S** **SG** 1.47 g/cm<sup>3</sup> **MP** 144.6 °C **FP** >144 °C  
**SOL** A,T,M,CN,W

Matrix	Cat. No.	Unit
NEAT	P-823N	10 mg
100 µg/mL in ACN	P-823S-CN	1 mL
1000 µg/mL in ACN	P-823S-CN-10X	1 mL

## Clarity

3,6-Dichloro-o-anisic acid, 2-(2-aminoethoxy)ethanol salt, tech



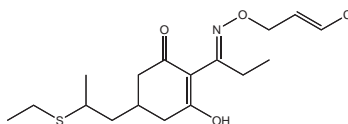
*Dicamba, diglycoamine salt, tech*

**CAS** 104040-79-1 **MF** C<sub>12</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 326.17  
**PS S** **SOL** W

Matrix	Cat. No.	Unit
100 µg/mL in Water	P-495S-W	1 mL
1000 µg/mL in Water	P-495S-W-10X	1 mL

## Clethodim

(5RS)-2-[(E)-1-[(2E)-3-chloroallyloxyimino]propyl]-5-[(2RS)-2-(ethylthio)propyl]-3-hydroxycyclohex-2-en-1-one



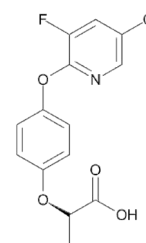
*Select*

**CAS** 99129-21-2 **MF** C<sub>17</sub>H<sub>26</sub>ClNO<sub>3</sub>S **MW** 359.91  
**PS L** **SG** 1.14 g/cm<sup>3</sup> **BP** decomp. 100 °C  
**SOL** M,A,EA,CN

Matrix	Cat. No.	Unit
NEAT	P-602N	10 mg
100 µg/mL in ACN	P-602S-CN	1 mL
1000 µg/mL in ACN	P-602S-CN-10X	1 mL

## Clodinafop

(R)-2-[4-(5-Chloro-3-fluoro-2-pyridyloxy)phenoxy]propionic acid

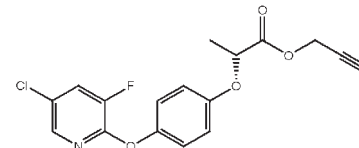


**CAS** 114420-56-3 **MF** C<sub>14</sub>H<sub>11</sub>ClFNO<sub>4</sub> **MW** 311.69  
**PS S** **SG** 1.41 g/cm<sup>3</sup> **MP** 172-173 °C  
**BP** decomp. 410 °C **FP** 202 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1009N	10 mg
100 µg/mL in MeOH	P-1009S	1 mL

## Clodinafop-propargyl

2-Propyn-1-yl (2R)-2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]propanoate

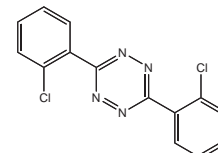


**CAS** 105512-06-9 **MF** C<sub>17</sub>H<sub>13</sub>ClFNO<sub>4</sub> **MW** 349.74  
**PS S** **SG** 1.35 g/cm<sup>3</sup> **MP** 59 °C **BP** 100-101 °C  
**SOL** A,EA,H,D,CN,M,T

Matrix	Cat. No.	Unit
NEAT	P-755N	10 mg
100 µg/mL in ACN	P-755S-CN	1 mL

## Clofentezine

3,6-bis(2-Chlorophenyl)-1,2,4,5-tetrazine



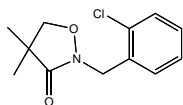
**CAS** 74115-24-5 **MF** C<sub>14</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>4</sub> **MW** 303.15 **PS S**  
**SG** 1.52 g/cm<sup>3</sup> **MP** 182 °C **BP** decomp. 190 °C  
**SOL** M,A,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-472N	10 mg
100 µg/mL in MeOH	P-472S	1 mL
1000 µg/mL in Acetone	P-472S-A-10X	1 mL

# Individual Pesticides

## Clomazon

2-(2-Chlorobenzyl)-4,4-dimethyl-1,2-oxazolidin-3-one



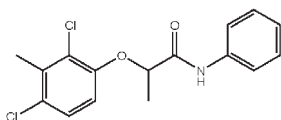
Command

CAS 81777-89-1 MF C<sub>12</sub>H<sub>14</sub>ClNO<sub>2</sub> MW 239.7  
PS L SG 1.19 g/cm<sup>3</sup> BP 275 °C FP 75 °C  
SOL A,CN,T,M,D,EA,H,W

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-286S	1 mL
1000 µg/mL in ACN	P-286S-CN-10X	1 mL

## Clomeprop

2-(2,4-Dichloro-3-methylphenoxy)-N-phenylpropanamide

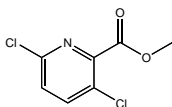


CAS 84496-56-0 MF C<sub>16</sub>H<sub>15</sub>Cl<sub>2</sub>NO<sub>2</sub> MW 324.20  
PS S SG 1.31 g/cm<sup>3</sup> MP 146-147 °C  
SOL A,DMSO,M,T

Matrix	Cat. No.	Unit
NEAT	P-1065N-5MG	5 mg
100 µg/mL in Acetone	P-1065S-A	1 mL
1000 µg/mL in Acetone	P-1065S-A-10X	1 mL

## Clopyralid methyl ester

Methyl 3,6-dichloropicolinate

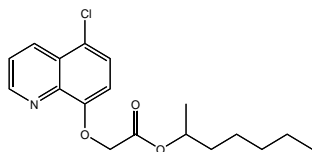


CAS 1532-24-7 MF C<sub>7</sub>H<sub>5</sub>Cl<sub>2</sub>NO<sub>2</sub> MW 206.03  
PS S SG 1.43 g/cm<sup>3</sup> MP 49-50 °C BP 296 °C  
FP 133 °C SOL M,A,D,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-488S	1 mL

## Cloquintocet-mexyl

1-Methylhexyl [(5-chloro-8-quinolinyloxy)acetate

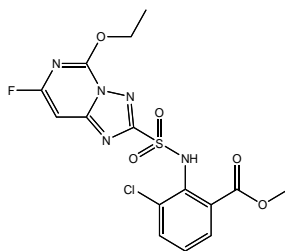


CAS 99607-70-2 MF C<sub>18</sub>H<sub>22</sub>ClNO<sub>3</sub> MW 335.82  
PS S SG 1.05 g/cm<sup>3</sup> MP 69-70 °C SOL A,H,M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-929N	10 mg
100 µg/mL in MeOH	P-929S	1 mL

## Cloransulam methyl

Methyl 3-chloro-2-[(5-ethoxy-7-fluoro-[1,2,4]triazolo[5,1-c]pyrimidin-2-yl)sulfonylamino]benzoate

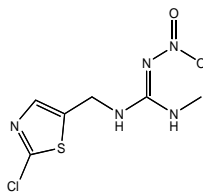


CAS 147150-35-4 MF C<sub>15</sub>H<sub>13</sub>ClFNO<sub>5</sub>S MW 429.81  
PS S SG 1.54 g/cm<sup>3</sup> MP 217 °C  
SOL A,D,EA,M,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-981S-CN	1 mL

## Clothianidin

(E)-1-(2-Chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine

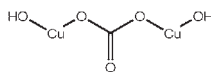


Clutch

CAS 210880-92-5 MF C<sub>6</sub>H<sub>8</sub>ClN<sub>2</sub>O<sub>2</sub>S MW 249.68  
PS S SG 1.61 g/cm<sup>3</sup> MP 177 °C  
SOL A,EA,D,M,CN,W

Matrix	Cat. No.	Unit
NEAT	P-947N	10 mg
100 µg/mL in MeOH	P-947S	1 mL
1000 µg/mL in ACN	P-947S-CN-10X	1 mL

## Copper(II)carbonate basic

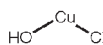


CAS 12069-69-1 MF CH<sub>2</sub>Cu<sub>2</sub>O<sub>5</sub> MW 221.12 PS S  
SG 4.0 g/cm<sup>3</sup> MP Decomp. 200 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-1074N	10 mg
100 µg/mL in MeOH	P-1074S	1 mL

## Copper oxychloride

Dicopper chloride trihydroxide



No specified formula or molecular weight. Contains 57 % Cu<sup>++</sup>.

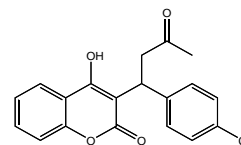
Basic cupric chloride

CAS 1332-40-7 PS S SG 0.80 g/cm<sup>3</sup>

Matrix	Cat. No.	Unit
NEAT	P-458N	10 mg

## Coumachlor

3-[1-(4-Chlorophenyl)-3-oxobutyl]-4-hydroxy-2H-1-benzopyran-2-one

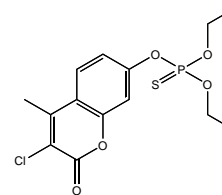


CAS 81-82-3 MF C<sub>16</sub>H<sub>15</sub>ClO<sub>4</sub> MW 342.77 PS S  
SG 1.38 g/cm<sup>3</sup> MP 168-170 °C BP 543 °C  
FP 282 °C SOL M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-684S	1 mL

## Coumaphos

O-3-Chloro-4-methyl-2-oxo-2H-chromen-7-yl O,O-diethyl phosphorothioate



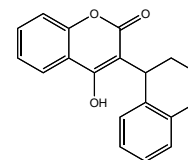
Co-Ral

CAS 56-72-4 MF C<sub>14</sub>H<sub>16</sub>ClO<sub>5</sub>PS MW 362.77 PS S  
SG 1.47 g/cm<sup>3</sup> MP 95 °C BP >200 °C FP 100 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-019N	10 mg
100 µg/mL in MeOH	P-019S	1 mL
1000 µg/mL in Hexane	P-019S-H-10X	1 mL

## Coumatetralyl

4-Hydroxy-3-(1,2,3,4-tetrahydro-1-naphthyl) coumarin



Racumin

CAS 5836-29-3 MF C<sub>19</sub>H<sub>16</sub>O<sub>3</sub> MW 292.33 PS S  
SG 1.33 g/cm<sup>3</sup> MP 172-176 °C FP >100 °C  
SOL M,CN,D,IPA,W

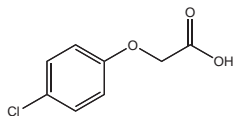
Matrix	Cat. No.	Unit
NEAT	P-313N	10 mg
100 µg/mL in MeOH	P-313S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## 4-CPA

4-Chlorophenoxyacetic acid

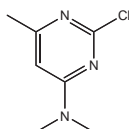


**CAS** 122-88-3 **MF** C<sub>8</sub>H<sub>7</sub>ClO<sub>3</sub> **MW** 186.6 **PS** S  
**SG** 1.52 g/cm<sup>3</sup> **MP** 157-159 °C **BP** Decomp.  
**SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-373N	10 mg
100 µg/mL in MeOH	P-373S ▲	1 mL

## Crimidine

2-Chloro-4-dimethylamino-6-methylpyrimidine



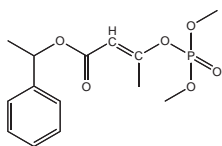
*Crimidin*

**CAS** 535-89-7 **MF** C<sub>7</sub>H<sub>10</sub>ClN<sub>3</sub> **MW** 171.63 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 87 °C **BP** 140-147 °C (4mm Hg)  
**FP** 130 °C **SOL** M,EA,D,IPA

Matrix	Cat. No.	Unit
NEAT	P-561N	10 mg
100 µg/mL in MeOH	P-561S	1 mL

## Crotoxyphos

(RS)-1-phenylethyl 3-(dimethoxyphosphinoyloxy) isocrotonate



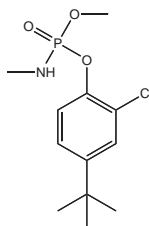
*Ciodrin*

**CAS** 7700-17-6 **MF** C<sub>14</sub>H<sub>19</sub>O<sub>6</sub>P **MW** 314.27 **PS** L  
**SG** 1.20 g/cm<sup>3</sup> **BP** 135 °C (0.03mm Hg)  
**SOL** M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-218S	1 mL

## Crufomate

4-tert-Butyl-2-chlorophenyl methyl methylphosphoramidate

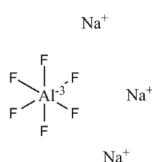


**CAS** 299-86-5 **MF** C<sub>12</sub>H<sub>19</sub>ClNO<sub>3</sub>P **MW** 291.74  
**PS** L **SG** 1.18 g/cm<sup>3</sup> **MP** 60-61 °C **SOL** M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-292N	10 mg
100 µg/mL in MeOH	P-292S	1 mL

## Cryolite

Sodium fluoroaluminate

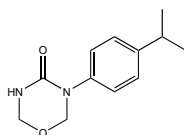


**CAS** 15096-52-3 **MF** AlF<sub>6</sub>Na<sub>3</sub> **MW** 209.94 **PS** S  
**SG** 2.9 g/cm<sup>3</sup> **MP** 1012 °C **SOL** W

Matrix	Cat. No.	Unit
NEAT	P-1071N	10 mg

## Cumyluron

1-(2-Chlorobenzyl)-3-(1-methyl-1-phenylethyl)urea

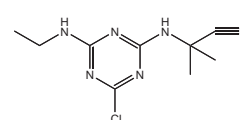


**CAS** 99485-76-4 **MF** C<sub>17</sub>H<sub>19</sub>ClN<sub>2</sub>O **MW** 302.8  
**PS** S **SG** 1.16 g/cm<sup>3</sup> **MP** 166 °C **FP** 258 °C  
**SOL** A,H,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1135S-CN	1 mL

## Cyanazine

2-(4-Chloro-6-ethylamino-1,3,5-triazin-2-ylamino)-2-methylpropanitrile

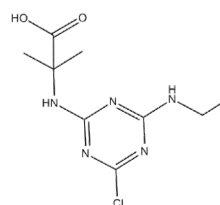


*Bladex*

**CAS** 21725-46-2 **MF** C<sub>9</sub>H<sub>13</sub>ClN<sub>6</sub> **MW** 240.69 **PS** S  
**SG** 1.29 g/cm<sup>3</sup> **MP** 168 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-175N	10 mg
100 µg/mL in MeOH	P-175S	1 mL
1000 µg/mL in MeOH	P-175S-10X	1 mL

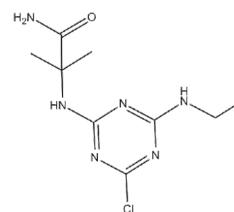
## Cyanazine acid



**CAS** 36576-43-9 **MF** C<sub>9</sub>H<sub>14</sub>ClN<sub>5</sub>O<sub>2</sub> **MW** 259.69  
**PS** S **SG** N/A **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1440S-CN	1 mL

## Cyanazine amide

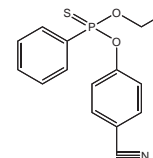


**CAS** 36576-42-8 **MF** C<sub>9</sub>H<sub>15</sub>ClN<sub>5</sub>O **MW** 258.71  
**PS** S **SG** N/A **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1441S-CN	1 mL

## Cyanofenphos

4-Cyanophenylethylphenyl phosphonothionate



**CAS** 13067-93-1 **MF** C<sub>15</sub>H<sub>14</sub>NO<sub>2</sub>PS **MW** 303.33  
**PS** S **SG** 1.26 g/cm<sup>3</sup> **MP** 83 °C **BP** 424 °C  
**FP** 210 °C **SOL** M,A,CN

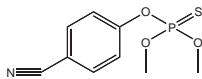
Matrix	Cat. No.	Unit
NEAT	P-584N	10 mg
100 µg/mL in ACN	P-584S-CN	1 mL



# Individual Pesticides

## Cyanophos

O-4-Cyanophenyl O,O-dimethyl phosphorothioate



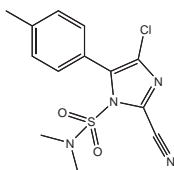
Ciafos, Cyanox

**CAS** 2636-26-2 **MF** C<sub>9</sub>H<sub>10</sub>NO<sub>3</sub>PS **MW** 243.22  
**PS** L **SG** 1.25 g/cm<sup>3</sup> **BP** Decomp. 119 °C  
**FP** >104 °C **SOL** M,A,D

Matrix	Cat. No.	Unit
NEAT	P-531N	10 mg
100 µg/mL in MeOH	P-531S	1 mL
1000 µg/mL in MeOH	P-531S-10X	1 mL

## Cyazofamid

4-Chloro-2-cyano-N,N-dimethyl-5-(4-methylphenyl)-1H-imidazol-1-sulfonamide

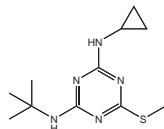


**CAS** 120116-88-3 **MF** C<sub>13</sub>H<sub>13</sub>ClN<sub>4</sub>O<sub>2</sub>S **MW** 324.79  
**PS** S **SG** 1.45 g/cm<sup>3</sup> **MP** 152-153 °C  
**SOL** A,T,D,H,EA,CN,IPA,M

Matrix	Cat. No.	Unit
NEAT	P-969N	10 mg
100 µg/mL in ACN	P-969S-CN	1 mL
1000 µg/mL in ACN	P-969S-CN-10X	1 mL

## Cybutryne

N-Cyclopropyl-N'-1,1-dimethylethyl-6-methylthio-1,3,5-triazine-2,4-diamine



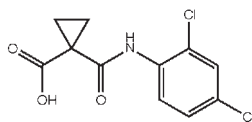
Fintryne, Irgarol

**CAS** 28159-98-0 **MF** C<sub>11</sub>H<sub>13</sub>N<sub>3</sub>S **MW** 253.37  
**PS** S **SG** 1.20 g/cm<sup>3</sup> **MP** 128-133 °C **SOL** M,D

Matrix	Cat. No.	Unit
NEAT	P-746N	10 mg
100 µg/mL in MeOH	P-746S	1 mL

## Cyclanilide

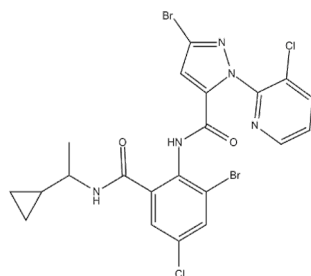
1-(2,4-Dichloroanilino)carbonylcyclopropanecarboxylic acid



**CAS** 113136-77-9 **MF** C<sub>11</sub>H<sub>9</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 274.10  
**PS** S **SG** 1.47 g/cm<sup>3</sup> **MP** 195 °C **SOL** H,T,M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-982S-CN	1 mL

## Cyclanilprole

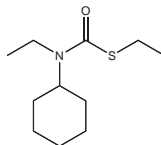


**CAS** 1031756-98-5 **MF** C<sub>21</sub>H<sub>17</sub>Br<sub>2</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>2</sub>  
**MW** 602.11 **PS** S **SG** N/A **MP** 185-187 °C  
**SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-1445N	10 mg
100 µg/mL in MeOH	P-1445S	1 mL

## Cycloate

S-Ethyl cyclohexyl(ethyl)thiocarbamate

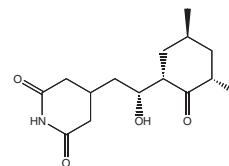


**CAS** 1134-23-2 **MF** C<sub>11</sub>H<sub>21</sub>NOS **MW** 215.36 **PS** L  
**SG** 1.02 g/cm<sup>3</sup> **BP** 145-146 °C (10mm Hg)  
**FP** >100 °C **SOL** M,A,H

Matrix	Cat. No.	Unit
NEAT	P-248N	10 mg
100 µg/mL in MeOH	P-248S	1 mL
1000 µg/mL in MeOH	P-248S-10X	1 mL

## Cycloheximide

4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione

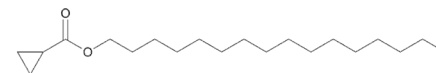


**CAS** 66-81-9 **MF** C<sub>15</sub>H<sub>23</sub>NO<sub>4</sub> **MW** 281.35 **PS** S  
**SG** 1.14 g/cm<sup>3</sup> **MP** 120 °C **BP** 492 °C **FP** 252 °C  
**SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-411N	10 mg
100 µg/mL in MeOH	P-411S	1 mL

## Cycloprate

Hexadecyl cyclopropane carboxylate

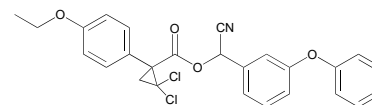


**CAS** 54460-46-7 **MF** C<sub>20</sub>H<sub>38</sub>O<sub>2</sub> **MW** 310.51 **PS** S  
**SG** 0.92 g/cm<sup>3</sup> **MP** 100-102 °C **BP** 366 °C  
**FP** 189 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1069N	10 mg
100 µg/mL in MeOH	P-1069S	1 mL

## Cycloprothrin

(RS)-α-Cyano-3-phenoxybenzyl (RS)-2,2-dichloro-1-(4-ethoxyphenyl)cyclopropanecarboxylate



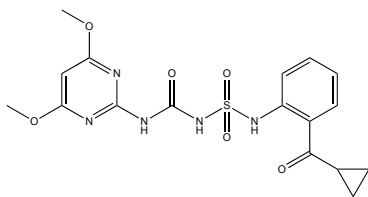
**CAS** 63935-38-6 **MF** C<sub>26</sub>H<sub>21</sub>Cl<sub>2</sub>NO<sub>4</sub> **MW** 482.36  
**PS** L or S **SG** 1.26 g/cm<sup>3</sup> **MP** 25 °C  
**BP** 140-145 °C/0.001mm Hg **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1205N	10 mg
100 µg/mL in ACN	P-1205S-CN	1 mL
1000 µg/mL in ACN	P-1205S-CN-10X	1 mL

# Individual Pesticides

## Cyclosulfamuron

1-[2-(Cyclopropylcarbonyl)anilinosulfonyl]-3-(4,6-dimethoxypyrimidin-2-yl)urea

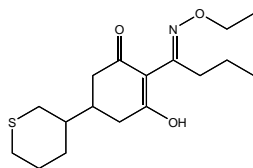


CAS 136849-15-5 MF C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>O<sub>6</sub>S MW 421.43  
PS S SG 0.62 g/cm<sup>3</sup> MP 150-153 °C SOL CN

Matrix	Cat. No.	Unit
NEAT	P-1086N	10 mg
100 µg/mL in ACN	P-1086S-CN	1 mL
1000 µg/mL in ACN	P-1086S-CN-10X	1 mL

## Cycloxydime

(±)-2-[1-(Ethoxyimino)butyl]-3-hydroxy-5-thian-3-ylcyclohex-2-enone



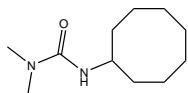
Cycloxydim, Focus

CAS 101205-02-1 MF C<sub>17</sub>H<sub>27</sub>NO<sub>3</sub>S MW 325.51  
PS S SG 1.14 g/cm<sup>3</sup> MP 41 °C FP 119 °C  
BP Decomp. 200 °C SOL A,M,D,T,EA,H,CN

Matrix	Cat. No.	Unit
NEAT	P-735N	10 mg
100 µg/mL in MeOH	P-735S	1 mL

## Cycluron

3-Cyclo-octyl-1,1-dimethylurea

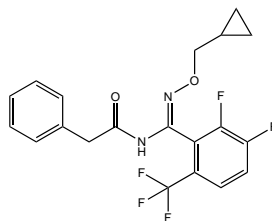


CAS 2163-69-1 MF C<sub>11</sub>H<sub>22</sub>N<sub>2</sub>O MW 198.31 PS S  
SG 0.97 g/cm<sup>3</sup> MP 138 °C FP >100 °C  
SOL A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-791S-CN	1 mL

## Cyflufenamide

(Z)-N-[a-(Cyclopropylmethoxyimino)-2,3-difluoro-6-(trifluoromethyl)benzyl]-2-phenylacetamide

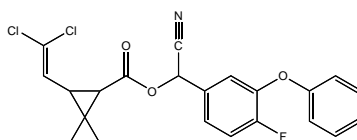


CAS 180409-60-3 MF C<sub>20</sub>H<sub>17</sub>F<sub>5</sub>N<sub>2</sub>O<sub>2</sub> MW 412.35  
PS S SG 1.35 g/cm<sup>3</sup> MP 62 °C BP Decomp. 140 °C  
SOL D,A,CN,M,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-975S-CN	1 mL
1000 µg/mL in Acetone	P-975S-A-10X	1 mL

## Cyfluthrin - Mix of Isomers

3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid, cyano(4-fluoro-3-phenoxyphenyl)methyl ester



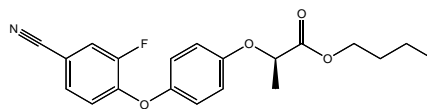
Baythroid I, Cyfoxylate

CAS 68359-37-5 MF C<sub>22</sub>H<sub>18</sub>Cl<sub>2</sub>FNO<sub>3</sub> MW 434.31  
PS S SG 1.28 g/cm<sup>3</sup> MP 60 °C FP 107 °C  
SOL M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-354N	10 mg
100 µg/mL in MeOH	P-354S	1 mL
1000 µg/mL in Acetone	P-354S-A-10X	1 mL

## Cyhalofop-butyl

(R)-Butyl 2-(4-(4-cyano-2-fluorophenoxy)phenoxy)propanoate

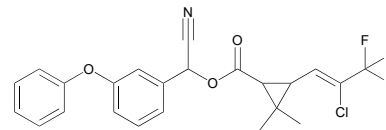


CAS 122008-85-9 MF C<sub>20</sub>H<sub>20</sub>FNO<sub>4</sub> MW 357.38  
PS S SG 1.17 g/cm<sup>3</sup> MP 48-49 °C BP Decomp.  
270 °C FP 122 °C SOL M,CN,A

Matrix	Cat. No.	Unit
NEAT	P-944N-5MG	5 mg
100 µg/mL in MeOH	P-944S	1 mL
1000 µg/mL in ACN	P-944S-CN-10X	1 mL

## Cyhalothrin

Cyano(3-phenoxyphenyl)methyl 3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propen-1-yl]-2,2-dimethylcyclopropanecarboxylate



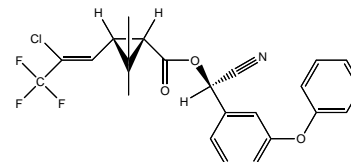
Grenade

CAS 68085-85-8 MF C<sub>23</sub>H<sub>19</sub>ClF<sub>3</sub>NO<sub>3</sub> MW 449.85  
PS L SG 1.25 g/cm<sup>3</sup> BP 187-190 °C/0.2mm Hg  
FP >100 °C SOL A,CN,D,EA,H,M,T

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1118S-A	1 mL
1000 µg/mL in Acetone	P-1118S-A-10X	1 mL

## L-Cyhalothrin

(R)-Cyano(3-phenoxyphenyl)methyl(1S,3S)-rel-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylate



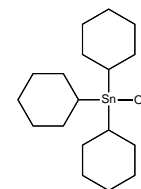
Icon, Karate

CAS 91465-08-6 MF C<sub>23</sub>H<sub>19</sub>ClF<sub>3</sub>NO<sub>3</sub> MW 449.85  
PS S SG 1.34 g/cm<sup>3</sup> MP 49 °C FP 225 °C  
BP Decomp. 275 °C SOL M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-473N	10 mg
100 µg/mL in MeOH	P-473S	1 mL

## Cyhexatin

Tricyclohexylhydroxystannane



Tricyclohexyltin hydroxide

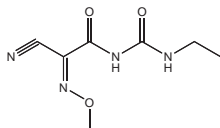
CAS 13121-70-5 MF C<sub>18</sub>H<sub>34</sub>OSn MW 385.21 PS S  
MP 195-198 °C BP 426 °C FP >100 °C  
SOL M,D,T,A,CN

Matrix	Cat. No.	Unit
NEAT	P-375N	10 mg
100 µg/mL in MeOH	P-375S	1 mL

# Individual Pesticides

## Cymoxanil

1-(2-Cyano-2-methoxyiminoacetyl)-3-ethylurea



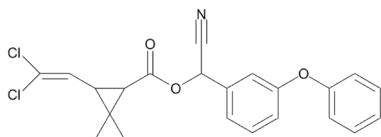
Zymoxanil

**CAS** 57966-95-7 **MF** C<sub>7</sub>H<sub>10</sub>N<sub>4</sub>O<sub>3</sub> **MW** 198.18 **PS** S  
**SG** 1.32 g/cm<sup>3</sup> **MP** 160 °C **FP** >100 °C  
**SOL** EA,A,T,H,W,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-493N	10 mg
100 µg/mL in MeOH	P-493S	1 mL
1000 µg/mL in ACN	P-493S-CN-10X	1 mL

## Cypermethrin

(RS)-alpha-Cyano-3-phenoxybenzyl  
 (1RS,3RS;1RS,3SR)-3-(2,2-dichlorovinyl)-  
 2,2-dimethylcyclopropanecarboxylate



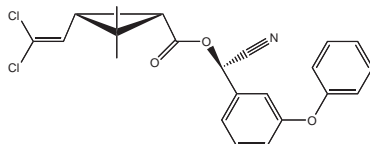
Polytrin, Siperin

**CAS** 52315-07-8 **MF** C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 416.3  
**PS** S **SG** 1.25 g/cm<sup>3</sup> **MP** 81 °C **BP** Decomp. 220 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-225N	10 mg
100 µg/mL in MeOH	P-225S	1 mL
1000 µg/mL in MeOH	P-225S-10X	1 mL
1000 µg/mL in Acetone	P-225S-A-10X	1 mL

## a-Cypermethrin

(R)-Cyano-3-phenoxybenzyl (1S,3S)-rel-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropane carboxylate



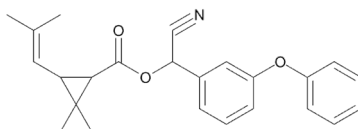
Alphamethrin, cis-Cypermethrin

**CAS** 67375-30-8 **MF** C<sub>22</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 416.3 **PS** S  
**SG** 1.12 g/cm<sup>3</sup> **MP** 78-81 °C **BP** Decomp. 248 °C  
**SOL** T,M,EA,A,H,CN

Matrix	Cat. No.	Unit
NEAT	P-548N	10 mg
100 µg/mL in ACN	P-548S-CN	1 mL
1000 µg/mL in Acetone	P-548S-A-10X	1 mL

## Cyphenothrin

(RS)-alpha-Cyano-3-phenoxybenzyl  
 (1R,3RS;1RS,3SR)-2,2-dimethyl-3-(2-methyl-  
 1-prop-1-enyl)cyclopropanecarboxylate



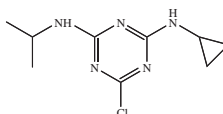
d-trans-Cyphenothrin, Gokilaht

**CAS** 39515-40-7 **MF** C<sub>24</sub>H<sub>25</sub>NO<sub>3</sub> **MW** 375.46 **PS** L  
**SG** 1.08 g/cm<sup>3</sup> **BP** 154 °C (0.1mm Hg) **FP** 130 °C  
**SOL** M,A,H

Matrix	Cat. No.	Unit
NEAT	P-709N	10 mg
100 µg/mL in MeOH	P-709S	1 mL

## Cyprazine

6-Chloro-N-cyclopropyl-N'-isopropyl-1,3,5-triazine-  
 2,4-diamine

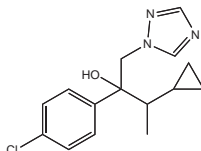


**CAS** 22936-86-3 **MF** C<sub>9</sub>H<sub>14</sub>ClN<sub>5</sub> **MW** 227.69  
**PS** S **SG** 1.40 g/cm<sup>3</sup> **MP** 165-167 °C **FP** 163 °C  
**SOL** M,H,CN,T

Matrix	Cat. No.	Unit
NEAT	P-420N	10 mg
100 µg/mL in MeOH	P-420S	1 mL
100 µg/mL in Hexane	P-420S-H	1 mL

## Cyproconazole

2-(4-Chlorophenyl)-3-cyclopropyl-1-  
 (1H-1,2,4-triazol-1-yl)butan-2-ol



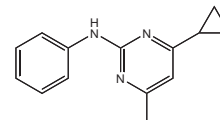
Cyproconazole, unstated stereochemistry

**CAS** 94361-06-5 **MF** C<sub>15</sub>H<sub>18</sub>ClN<sub>3</sub>O **MW** 291.78  
**PS** S **SG** 1.26 g/cm<sup>3</sup> **MP** 107-108 °C  
**BP** Decomp. 299 °C **SOL** A,M,DMSO,T,D,EA,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-555S	1 mL
1000 µg/mL in Acetone	P-555-A-10X	1 mL

## Cyprodinil

4-Cyclopropyl-6-methyl-N-phenylpyrimidin-2-amine

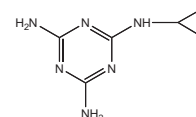


CGA 219417

**CAS** 121552-61-2 **MF** C<sub>14</sub>H<sub>15</sub>N<sub>3</sub> **MW** 225.29 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 76 °C **FP** >150 °C  
**SOL** M,A,H,T,CN,D,EA

Matrix	Cat. No.	Unit
NEAT	P-720N	10 mg
100 µg/mL in MeOH	P-720S	1 mL

## Cyromazine



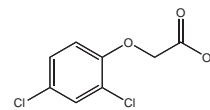
N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine,  
 Chlorthal-dimethyl

**CAS** 66215-27-8 **MF** C<sub>6</sub>H<sub>10</sub>N<sub>6</sub> **MW** 166.19 **PS** S  
**SG** 1.35 g/cm<sup>3</sup> **MP** 223 °C (decomp.)  
**SOL** M,A,CN,D,H,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-296N	10 mg
100 µg/mL in MeOH	P-296S	1 mL

## 2,4-D

2,4-Dichlorophenoxyacetic acid



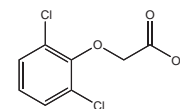
2,4-D acid

**CAS** 94-75-7 **MF** C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 221.04 **SOL** T  
**SG** 1.57 g/cm<sup>3</sup> **MP** 140 °C **BP** Decomp. 200 °C  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-020N	10 mg
100 µg/mL in MeOH	P-020S	1 mL
1000 µg/mL in MeOH	P-020S-10X	1 mL
100 µg/mL in ACN	P-020S-CN	1 mL

## 2,6-D acid

2,6-Dichlorophenoxyacetic acid



**CAS** 575-90-6 **MF** C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 221.04 **PS** S  
**MP** 125-126 °C **SOL** M,A,CN

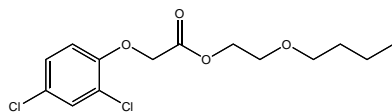
Matrix	Cat. No.	Unit
NEAT	P-690N	10 mg
100 µg/mL in MeOH	P-690S	1 mL
100 µg/mL in ACN	P-690S-CN	1 mL

▲ May esterify in methanol

# Individual Pesticides

## 2,4-D butoxyethyl ester

2-Butoxyethyl 2,4-dichlorophenoxyacetate



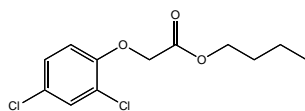
2,4-D butylglycol ester

**CAS** 1929-73-3 **MF** C<sub>14</sub>H<sub>18</sub>Cl<sub>2</sub>O<sub>4</sub> **MW** 321.22 **PS** L  
**SG** 1.22 g/cm<sup>3</sup> **MP** 185-190 °C **SOL** D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-438N	10 mg

## 2,4-D butyl ester

Butyl 2,4-dichlorophenoxyacetate

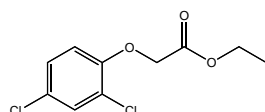


Lirinox

**CAS** 94-80-4 **MF** C<sub>12</sub>H<sub>14</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 277.14 **PS** L  
**SG** 1.24 g/cm<sup>3</sup> **BP** 342 °C **FP** 132 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-712N	10 mg
100 µg/mL in MeOH	P-712S	1 mL

## 2,4-D ethyl ester



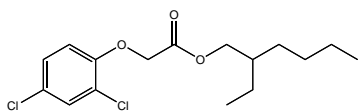
Ethyl 2,4-Dichlorophenoxyacetate

**CAS** 533-23-3 **MF** C<sub>10</sub>H<sub>10</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 249.09 **PS** L  
**SOL** M,D,H,T

Matrix	Cat. No.	Unit
NEAT	P-636N	10 mg
100 µg/mL in MeOH	P-636S	1 mL

## 2,4-D ethylhexyl ester

2-Ethylhexyl 2,4-dichlorophenoxy acetate



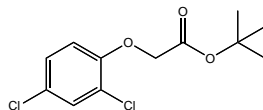
2,4-Dichlorophenoxy acid 2-ethylhexyl ester

**CAS** 1928-43-4 **MF** C<sub>16</sub>H<sub>22</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 333.25 **PS** L  
**SG** 1.15 g/cm<sup>3</sup> **BP** Decomp. 300 °C **FP** 171 °C  
**SOL** A,H,CN

Matrix	Cat. No.	Unit
NEAT	P-439N	10 mg
100 µg/mL in Hexane	P-439S-H	1 mL

## 2,4-D isobutyl ester

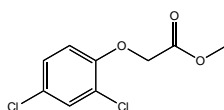
Isobutyl 2,4-dichlorophenoxyacetate



**CAS** 1713-15-1 **MF** C<sub>12</sub>H<sub>14</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 277.14 **PS** L  
**SG** 1.24 g/cm<sup>3</sup> **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1027N	10 mg
100 µg/mL in ACN	P-1027S-CN	1 mL

## 2,4-D methyl ester

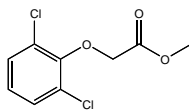


Methyl 2,4-Dichlorophenoxyacetate

**CAS** 1928-38-7 **MF** C<sub>9</sub>H<sub>9</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 235.07 **PS** S  
**SG** 1.35 g/cm<sup>3</sup> **MP** 119 °C **FP** 124 °C  
**SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-021N	10 mg
100 µg/mL in MeOH	P-021S	1 mL

## 2,6-D methyl ester



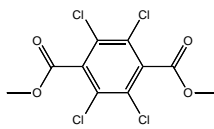
Methyl 2,6-dichlorophenoxyacetate

**CAS** N/A **MF** C<sub>9</sub>H<sub>9</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 235.06 **PS** S

Matrix	Cat. No.	Unit
NEAT	P-691N	10 mg
100 µg/mL in MeOH	P-691S	1 mL

## Dacthal

Dimethyl 2,3,5,6-tetrachloro-1,4-benzenedicarboxylate



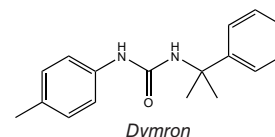
DCPA

**CAS** 1861-32-1 **MF** C<sub>10</sub>H<sub>6</sub>Cl<sub>4</sub>O<sub>4</sub> **MW** 331.96 **PS** S  
**SG** 1.56 g/cm<sup>3</sup> **MP** 155 - 156 °C **BP** 345 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-196N	10 mg
100 µg/mL in MeOH	P-196S	1 mL
1000 µg/mL in ACN	P-196S-CN-10X	1 mL

## Daimuron

N-(4-Methylphenyl)-N'-(1-methyl-1-phenylethyl)urea



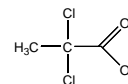
Dymron

**CAS** 42609-52-9 **MF** C<sub>17</sub>H<sub>20</sub>N<sub>2</sub>O **MW** 268.35 **PS** L  
**SG** 1.11 g/cm<sup>3</sup> **MP** 203 °C **BP** 394 °C

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1087S-CN	1 mL
1000 µg/mL in ACN	P-1087S-CN-10X	1 mL

## Dalapon

2,2-Dichloropropionic acid



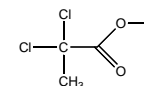
Dalapon

**CAS** 75-99-0 **MF** C<sub>3</sub>H<sub>4</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 142.97 **PS** L  
**SG** 1.40 g/cm<sup>3</sup> **BP** 185-190 °C **FP** >110 °C  
**SOL** M,A,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-140N	10 mg
100 µg/mL in MeOH	P-140S	1 mL
1000 µg/mL in MeOH	P-140S-10X	1 mL
100 µg/mL in ACN	P-140S-CN	1 mL

## Dalapon methyl ester

Methyl 2,2-dichloropropanoate

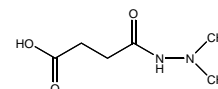


**CAS** 17640-02-7 **MF** C<sub>4</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 157 **PS** L  
**SG** 1.30 g/cm<sup>3</sup> **BP** 144 °C **FP** 50 °C  
**SOL** M,A,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-226N	10 mg
100 µg/mL in MeOH	P-226S	1 mL

## Daminozide

N-Dimethylaminosuccinamic acid



Alar, SADH

**CAS** 1596-84-5 **MF** C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub> **MW** 160.2 **PS** S  
**SG** 1.18 g/cm<sup>3</sup> **MP** 154-156 °C **BP** Decomp.  
**SOL** M,A,D,CN,W

Matrix	Cat. No.	Unit
NEAT	P-174N	10 mg
100 µg/mL in MeOH	P-174S	1 mL

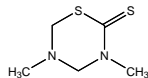
▲ May esterify in methanol



# Individual Pesticides

## Dazomet

3,5-Dimethyl-1,3,5-thiadiazinane-2-thione

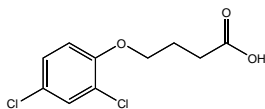


**CAS** 533-74-4 **MF** C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>S<sub>2</sub> **MW** 162.28 **PS** S  
**SG** 1.36 g/cm<sup>3</sup> **MP** 103-105 °C **FP** 156 °C  
**SOL** A,EA,M,T,D,W

Matrix	Cat. No.	Unit
NEAT	P-469N	10 mg
100 µg/mL in MeOH	P-469S	1 mL

## 2,4-DB

4-(2,4-Dichlorophenoxy)butyric acid



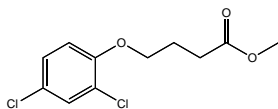
2,4-DB

**CAS** 94-82-6 **MF** C<sub>10</sub>H<sub>10</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 249.1 **PS** S  
**SG** 1.51 g/cm<sup>3</sup> **MP** 118-120 °C **SOL** M,A,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-141N	10 mg
100 µg/mL in MeOH	P-141S	1 mL
100 µg/mL in ACN	P-141S-CN	1 mL

## 2,4-DB methyl ester

Methyl 4-(2,4-dichlorophenoxy)butyrate

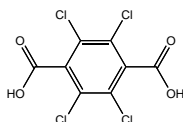


**CAS** 18625-12-2 **MF** C<sub>11</sub>H<sub>12</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 263.12  
**PS** S **SG** 1.27 g/cm<sup>3</sup> **BP** 153 °C (0.1mm Hg)  
**SOL** M,H,T

Matrix	Cat. No.	Unit
NEAT	P-228N	10 mg
100 µg/mL in MeOH	P-228S	1 mL

## DCPA diacid

Tetrachloroterephthalic acid



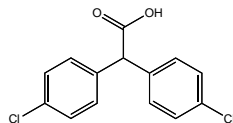
Chlorthal acid, Dacthal diacid

**CAS** 2136-79-0 **MF** C<sub>8</sub>H<sub>2</sub>Cl<sub>4</sub>O<sub>4</sub> **MW** 303.9 **PS** S  
**SG** 1.87 g/cm<sup>3</sup> **MP** 343-345 °C **BP** 425 °C  
**FP** 211 °C **SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-320N	10 mg
100 µg/mL in MeOH	P-320S	1 mL
100 µg/mL in ACN	P-320S-CN	1 mL

## p,p'-DDA

bis(4-Chlorophenyl)acetic acid



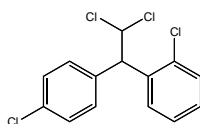
p,p'-Dichlorodiphenylacetic acid

**CAS** 83-05-6 **MF** C<sub>14</sub>H<sub>10</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 281.13 **PS** S  
**SG** 1.4 g/cm<sup>3</sup> **MP** 167-169 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-444N	10 mg
100 µg/mL in MeOH	P-444S	1 mL
1000 µg/mL in MeOH	P-444S-10X	1 mL

## o,p'-DDD

1-(2-Chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethane



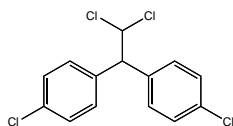
2,4'-DDD, Mitotane

**CAS** 53-19-0 **MF** C<sub>14</sub>H<sub>10</sub>Cl<sub>4</sub> **MW** 320.04 **PS** S  
**SG** 1.37 g/cm<sup>3</sup> **MP** 76-78 °C **BP** 399 °C **FP** 194 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-024N	10 mg
100 µg/mL in MeOH	P-024S	1 mL

## p,p'-DDD

1,1-Dichloro-2,2-bis(p-chlorophenyl)ethane



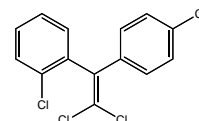
4,4'-DDD, TDE

**CAS** 72-54-8 **MF** C<sub>14</sub>H<sub>10</sub>Cl<sub>4</sub> **MW** 320.04 **PS** S  
**SG** 1.38 g/cm<sup>3</sup> **MP** 109-111 °C **BP** 350 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-025N	10 mg
100 µg/mL in MeOH	P-025S	1 mL
1000 µg/mL in MeOH	P-025S-10X	1 mL
1000 µg/mL in Acetone	P-025S-A-10X	1 mL

## o,p'-DDE

1,1-Dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)ethylene



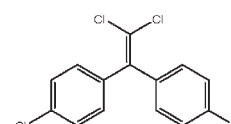
2,4'-DDE

**CAS** 3424-82-6 **MF** C<sub>14</sub>H<sub>8</sub>Cl<sub>4</sub> **MW** 318.02 **PS** S  
**SG** 1.40 g/cm<sup>3</sup> **MP** 75-78 °C **FP** 182 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-026N	10 mg
100 µg/mL in MeOH	P-026S	1 mL

## p,p'-DDE

1,1-Dichloro-2,2-bis(p-chlorophenyl) ethylene



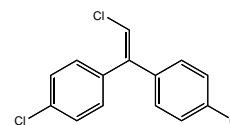
4,4'-DDE

**CAS** 72-55-9 **MF** C<sub>14</sub>H<sub>8</sub>Cl<sub>4</sub> **MW** 318.02 **PS** L  
**SG** 0.86 g/cm<sup>3</sup> **MP** 88-90 °C **BP** 336 °C **FP** 184 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-027N	10 mg
100 µg/mL in MeOH	P-027S	1 mL
1000 µg/mL in MeOH	P-027S-10X	1 mL
1000 µg/mL in Acetone	P-027S-A-10X	1 mL

## 4,4'-DDMU

1-Chloro-2,2-bis(p-chlorophenyl)ethene



p,p'-DDMU

**CAS** 1022-22-6 **MF** C<sub>14</sub>H<sub>9</sub>Cl<sub>3</sub> **MW** 283.58 **PS** S  
**SG** 1.32 g/cm<sup>3</sup> **MP** 64-67 °C **BP** 378 °C  
**FP** >100 °C **SOL** M,D,H,TP

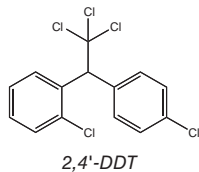
Matrix	Cat. No.	Unit
NEAT	P-424N	10 mg
100 µg/mL in MeOH	P-424S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## o,p'-DDT

2,2-bis(o,p-Chlorophenyl)-1,1,1-trichloroethane

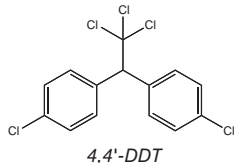


**CAS** 789-02-6 **MF** C<sub>14</sub>H<sub>9</sub>Cl<sub>5</sub> **MW** 354.49 **PS** S  
**SG** 0.99 g/cm<sup>3</sup> **MP** 71-72 °C **BP** 260 °C (decomp.)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-028N	10 mg
100 µg/mL in MeOH	P-028S	1 mL
100 µg/mL in Acetone	P-028S-A-10X	1 mL

## p,p'-DDT

1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane

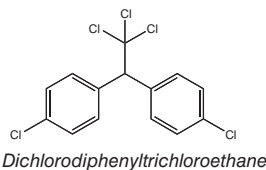


**CAS** 50-29-3 **MF** C<sub>14</sub>H<sub>9</sub>Cl<sub>5</sub> **MW** 354.49 **PS** S  
**SG** 0.99 g/cm<sup>3</sup> **MP** 107-109 °C **BP** 260 °C (decomp.)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-029N	10 mg
100 µg/mL in MeOH	P-029S	1 mL
2000 µg/mL in MeOH	P-029S-20X	1 mL
1000 µg/mL in Acetone	P-029S-A-10X	1 mL

## DDT, Tech

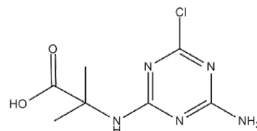
1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane



**CAS** 8017-34-3 **MF** C<sub>14</sub>H<sub>9</sub>Cl<sub>5</sub> **MW** 354.49 **PS** S  
**SG** 1.45 g/cm<sup>3</sup> **BP** 260 °C (decomp.)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-346N	10 mg
100 µg/mL in MeOH	P-346S	1 mL
100 µg/mL in ACN	P-346S-CN	1 mL

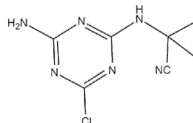
## Deethylcyanazine acid



**CAS** 36749-35-6 **MF** C<sub>17</sub>H<sub>10</sub>NO **MW** 231.64 **PS** S  
**SG** N/A **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1439S-CN	1 mL

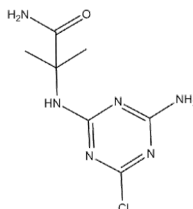
## N-Deethylcyanazine



**CAS** 21725-40-6 **MF** C<sub>7</sub>H<sub>10</sub>ClN<sub>5</sub>O<sub>2</sub> **MW** 212.64

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1443S-CN	1 mL

## N-Deethylcyanazine amide

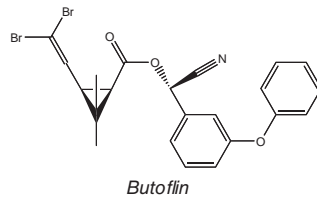


**CAS** 36556-77-1 **MF** C<sub>7</sub>H<sub>11</sub>ClN<sub>5</sub>O **MW** 230.65  
**PS** S **SG** N/A **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1442S-CN	1 mL

## Deltamethrin

(S)-alpha-Cyano-3-phenoxybenzyl  
 (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate

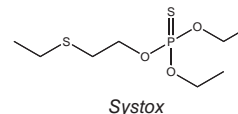


**CAS** 52918-63-5 **MF** C<sub>22</sub>H<sub>19</sub>Br<sub>2</sub>NO<sub>3</sub> **MW** 505.2  
**PS** S **SG** 0.55 g/cm<sup>3</sup> **MP** 100-102 °C  
**SOL** M,A,D,H,T,CN,TP,EA,IPA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-355N	10 mg
100 µg/mL in MeOH	P-355S	1 mL
1000 µg/mL in Acetone	P-355S-A-10X	1 mL

## Demeton (mixed isomers)

O,O-Diethyl-O-(and S)-  
 2-(ethylthio)ethyl phosphorothioate

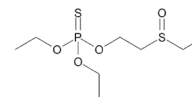


**CAS** 8065-48-3 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 258.36 **PS** L  
**SG** 1.13 g/cm<sup>3</sup> **BP** 310 °C **FP** 45 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-031N	10 mg
100 µg/mL in MeOH	P-031S	1 mL
1000 µg/mL in Hexane	P-031S-H-10X	1 mL

## Demeton-o-sulfoxide

3,6-Dichloro-o-anisic acid, 2-(2-aminoethoxy)ethanol  
 salt, tech



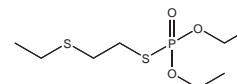
*Dicamba, diglycoamine salt, tech*

**CAS** 5286-73-7 **MF** C<sub>12</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>5</sub> **MW** 326.17  
**PS** S **SOL** W

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1510S-CN	1 mL

## Demeton-S

O,O-Diethyl S-2-ethylthioethyl phosphorothioate



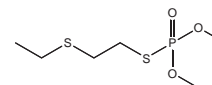
*Demeton I (thiono isomer)*

**CAS** 126-75-0 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 258.36 **PS** L  
**SG** 1.15 g/cm<sup>3</sup> **BP** 310 °C **FP** 45 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-271N	10 mg
100 µg/mL in MeOH	P-271S	1 mL
1000 µg/mL in MeOH	P-271S-10X	1 mL

## Demeton-S-methyl

O,O-Dimethyl S-2-(ethylthio)ethyl phosphorothioate



*Metasystox I*

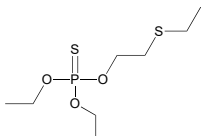
**CAS** 919-86-8 **MF** C<sub>8</sub>H<sub>15</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 230.29 **PS** L  
**SG** 1.21 g/cm<sup>3</sup> **BP** 305 °C  
**SOL** M,A,D,H,T,CN,TP,EA, IPA

Matrix	Cat. No.	Unit
NEAT	P-482N	10 mg
100 µg/mL in MeOH	P-482S	1 mL
1000 µg/mL in ACN	P-482S-CN-10X	1 mL

# Individual Pesticides

## O-Demeton

O,O-Diethyl O-(2-(ethylthio)ethyl)phosphorothionate



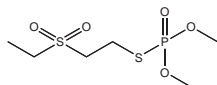
Demeton-O

**CAS** 298-03-3 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>3</sub>S<sub>2</sub>P **MW** 258.34 **PS** L  
**SG** 1.12 g/cm<sup>3</sup> **BP** 134 °C/2mm Hg **FP** 45 cc  
**SOL** A,CN,D,H,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1033S-CN	1 mL
1000 µg/mL in ACN	P-1033S-CN-10X	1 mL

## Demeton-S-methylsulfone

S-2-Ethylsulfonylethyl-O,O-dimethyl phosphorothioate



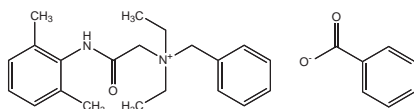
Dioxydemeton-S-methyl

**CAS** 17040-19-6 **MF** C<sub>8</sub>H<sub>15</sub>O<sub>5</sub>PS<sub>2</sub> **MW** 262.29  
**PS** S **SG** 1.32 g/cm<sup>3</sup> **MP** 49-50 °C **BP** 336 °C  
**SOL** M,A,T,CN

Matrix	Cat. No.	Unit
NEAT	P-554N	10 mg
100 µg/mL in MeOH	P-554S	1 mL
1000 µg/mL in MeOH	P-554S-10X	1 mL

## Denatonium benzoate

Benzyl-diethyl((2,6-xylylcarbamoyl)methyl) ammonium benzoate



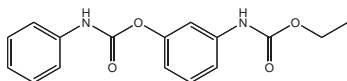
Bitrex

**CAS** 3734-33-6 **MF** C<sub>21</sub>H<sub>29</sub>N<sub>2</sub>O<sup>+</sup>·C<sub>7</sub>H<sub>5</sub>O<sub>2</sub><sup>-</sup> **MW** 446.64  
**PS** S **SG** 0.79 g/cm<sup>3</sup> **MP** 165 °C **SOL** A,EA,M

Matrix	Cat. No.	Unit
NEAT	P-679N	10 mg
100 µg/mL in MeOH	P-679S	1 mL

## Desmedipham

Ethyl 3-phenylcarbamoyloxyphenylcarbamate

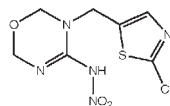


**CAS** 13684-56-5 **MF** C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub> **MW** 300.31  
**PS** S **SG** 1.30 g/cm<sup>3</sup> **MP** 118-120 °C  
**BP** Decomp. 234 °C **SOL** A,M,EA,D,T,H,CN

Matrix	Cat. No.	Unit
NEAT	P-376N	10 mg
100 µg/mL in MeOH	P-376S	1 mL

## N-Desmethylthiamethoxam

3-[(2-Chloro-1,3-thiazol-5-yl)methyl]-N-nitro-1,3,5-oxadiazinan-4-imine

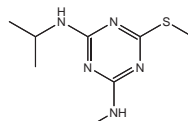


**CAS** 171103-04-1 **MF** C<sub>7</sub>H<sub>8</sub>ClN<sub>5</sub>O<sub>3</sub>S **MW** 277.69  
**PS** S **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1266S	1 mL

## Desmetryn

N-Isopropyl-N'-methyl-6-(methylsulfonyl)-1,3,5-triazine-2,4-diamine



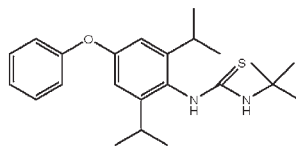
Semeron

**CAS** 1014-69-3 **MF** C<sub>8</sub>H<sub>15</sub>N<sub>5</sub>S **MW** 213.3 **PS** S  
**SG** 1.18 g/cm<sup>3</sup> **MP** 84-86 °C **BP** 340 °C  
**FP** >100 °C **SOL** M,A,D,H,CN,EA, T

Matrix	Cat. No.	Unit
NEAT	P-566N	10 mg
100 µg/mL in MeOH	P-566S	1 mL
1000 µg/mL in MeOH	P-566S-10X	1 mL

## Diafenthiuron

1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl) thiourea

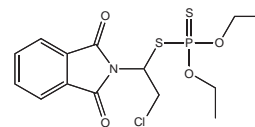


**CAS** 80060-09-9 **MF** C<sub>23</sub>H<sub>32</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 384.58  
**PS** S **SG** 1.09 g/cm<sup>3</sup> **MP** 146 °C **BP** 448-450 °C  
**FP** >149 °C **SOL** M,A,CN,T,H

Matrix	Cat. No.	Unit
NEAT	P-1064N	10 mg
100 µg/mL in Acetone	P-1064S-A	1 mL

## Dialifos

S-2-Chloro-1-phthalimidoethyl O,O-diethyl phosphorodithioate



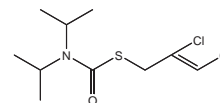
Dialifor, Torak

**CAS** 10311-84-9 **MF** C<sub>14</sub>H<sub>17</sub>ClNO<sub>4</sub>PS<sub>2</sub> **MW** 393.85  
**PS** S **SG** 1.43 g/cm<sup>3</sup> **MP** 68 °C **BP** 466 °C  
**FP** >100 °C **SOL** M,CN,A

Matrix	Cat. No.	Unit
NEAT	P-426N	10 mg
100 µg/mL in MeOH	P-426S	1 mL

## Diallate

S-2,3-Dichloroallyl di-isopropyl(thiocarbamate)

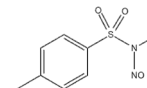


**CAS** 2303-16-4 **MF** C<sub>10</sub>H<sub>17</sub>Cl<sub>2</sub>NOS **MW** 270.24  
**PS** L **SG** 1.19 g/cm<sup>3</sup> **BP** 290 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-142N	10 mg
100 µg/mL in MeOH	P-142S	1 mL
1000 µg/mL in MeOH	P-142S-10X	1 mL

## Diazald

N,4-dimethyl-N-nitrosobenzenesulfonamide



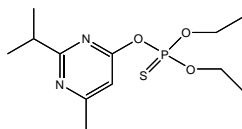
**CAS** 80-11-5 **MF** C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 214.24 **PS** S  
**MP** 61-62 °C **SOL** M,D,EA,T

Matrix	Cat. No.	Unit
NEAT	P-1463N	10 mg
100 µg/mL in MeOH	P-1463S	1 mL

# Individual Pesticides

## Diazinon

O,O-Diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate



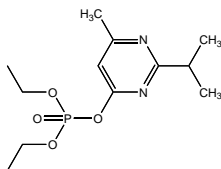
Basudin, Diazide®, Spectracide®

CAS 333-41-5 MF C<sub>12</sub>H<sub>21</sub>N<sub>2</sub>O<sub>3</sub>PS MW 304.35  
PS L SG 1.12 g/cm<sup>3</sup> BP 83-84 °C (0.0002mm Hg)  
FP 104.4 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-033N	10 mg
100 µg/mL in MeOH	P-033S	1 mL
1000 µg/mL in MeOH	P-033S-10X	1 mL
1000 µg/mL in Hexane	P-033S-H-10X	1 mL
1000 µg/mL in Acetone	P-03S3-A-10X	1 mL

## Diazinon-O analog

Diethyl 2-isopropyl-6-methyl-4-pyrimidinyl phosphate



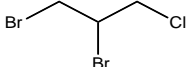
Diazoxon

CAS 962-58-3 MF C<sub>12</sub>H<sub>21</sub>N<sub>2</sub>O<sub>4</sub>P MW 228.28  
PS L SG 1.14 g/cm<sup>3</sup> BP 336 °C FP 157 °C  
SOL M,A,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-640N	10 mg
100 µg/mL in Acetone	P-640S-A	1 mL

## 1,2-Dibromo-3-chloropropane

3-Chloro-1,2-Dibromopropane



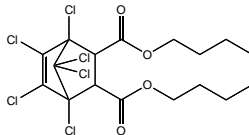
DBCP, Fumazone

CAS 96-12-8 MF C<sub>3</sub>H<sub>5</sub>Br<sub>2</sub>Cl MW 236.33 PS L  
SG 2.05 g/cm<sup>3</sup> BP 195 °C FP 90 °C  
SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-341N	10 mg
100 µg/mL in MeOH	P-341S	1 mL

## Dibutyl chlorendate

Dibutyl-1,4,5,6,7,7-hexachlorobicyclo(2.2.1)hept-5-ene-2,3-dicarboxylate

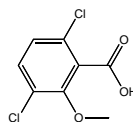


CAS 1770-80-5 MF C<sub>17</sub>H<sub>20</sub>Cl<sub>6</sub>O<sub>4</sub> MW 501.05 PS L  
SG 1.46 g/cm<sup>3</sup> BP 500 °C FP 164 °C  
SOL M,A,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-109N	10 mg
100 µg/mL in Acetone	P-109S-A	1 mL

## Dicamba

3,6-Dichloro-o-anisic acid



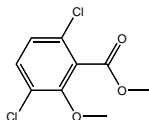
Banvel-D

CAS 1918-00-9 MF C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub> MW 221.04 PS S  
SG 1.57 g/cm<sup>3</sup> MP 115 °C BP Decomp. 230 °C  
SOL M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-008N	10 mg
100 µg/mL in MeOH	P-008S ▲	1 mL
1000 µg/mL in MeOH	P-008S-10X ▲	1 mL
100 µg/mL in ACN	P-008S-CN	1 mL

## Dicamba methyl ester

Methyl 3,6-dichloro-2-methoxybenzoate

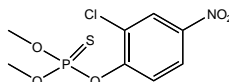


CAS 6597-78-0 MF C<sub>9</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub> MW 235.07 PS L  
SOL M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-071N	10 mg
100 µg/mL in MeOH	P-071S	1 mL

## Dicapthon

O-2-Chloro-4-nitrophenyl  
O,O-dimethyl phosphorothioate



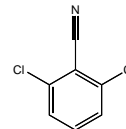
Dicapton

CAS 2463-84-5 MF C<sub>9</sub>H<sub>9</sub>ClNO<sub>5</sub>PS MW 297.66  
PS S SG 1.50 g/cm<sup>3</sup> MP 52 °C SOL M,T

Matrix	Cat. No.	Unit
NEAT	P-035N	10 mg
100 µg/mL in ACN	P-035S-CN	1 mL
1000 µg/mL in ACN	P-035S-CN-10X	1 mL

## Dichlobenil

2,6-Dichlorobenzonitrile



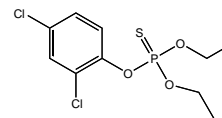
DBN, Casoron

CAS 1194-65-6 MF C<sub>7</sub>H<sub>3</sub>Cl<sub>2</sub>N MW 172.01 PS S  
SG 1.55 g/cm<sup>3</sup> MP 145-146 °C BP 270 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-275N	10 mg
100 µg/mL in MeOH	P-275S	1 mL

## Dichlofenthion

O-(2,4-Dichlorophenyl)-O,O-diethyl thiophosphate

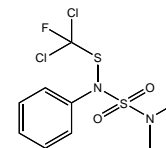


CAS 97-17-6 MF C<sub>10</sub>H<sub>13</sub>Cl<sub>2</sub>O<sub>3</sub>PS MW 315.15 PS L  
SG 1.32 g/cm<sup>3</sup> BP 120-123 °C (20mm Hg)  
FP >100 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-211N	10 mg
100 µg/mL in MeOH	P-211S	1 mL
1000 µg/mL in MeOH	P-211S-10X	1 mL

## Dichlofluandil

1,1-Dichloro-N-[(dimethylamino)sulfonyl]-  
1-fluoro-N-phenylmethanesulfenamide



Euparen

CAS 1085-98-9 MF C<sub>9</sub>H<sub>11</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>2</sub>S<sub>2</sub> MW 333.23  
PS S SG 1.55 g/cm<sup>3</sup> MP 106 °C BP 337 °C  
FP 158 °C SOL M,A,D,H,T,CN,TP,EA, IPA

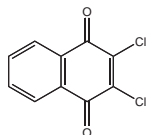
Matrix	Cat. No.	Unit
NEAT	P-474N	10 mg
100 µg/mL in MeOH	P-474S	1 mL
1000 µg/mL in MeOH	P-474S-A-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Dichlone

2,3-Dichloro-1,4-naphthoquinone

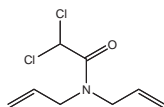


**CAS** 117-80-6 **MF** C<sub>10</sub>H<sub>4</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 227.04 **PS** S  
**SG** 1.54 g/cm<sup>3</sup> **MP** 192-193 °C  
**BP** 275 °C (2mm Hg) **SOL** M,D,TP

Matrix	Cat. No.	Unit
NEAT	P-253N	10 mg
100 µg/mL in ACN	P-253S-CN	1 mL

## Dichlormid

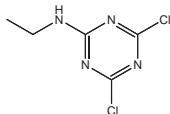
N,N-Diallyl-2,2-dichloroacetamide



**CAS** 37764-25-3 **MF** C<sub>8</sub>H<sub>11</sub>Cl<sub>2</sub>NO **MW** 208.08 **PS** L  
**SG** 1.2 g/cm<sup>3</sup> **BP** Decomp. 100 °C **SOL** M,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-675N	10 mg
100 µg/mL in MeOH	P-675S	1 mL
1000 µg/mL in MeOH	P-675S-10X	1 mL

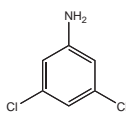
## 2,4-Dichloro-6-ethylamino-1,3,5-triazine



**CAS** 3440-19-5 **MF** C<sub>5</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>4</sub> **MW** 193.03 **PS** S  
**MP** 114-115 °C **SOL** MC

Matrix	Cat. No.	Unit
NEAT	P-538N	10 mg
100 µg/mL in ACN	P-538S-CN	1 mL

## 3,5-Dichloroaniline

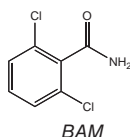


3,5-Dichloroaniline

**CAS** 626-43-7 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>N **MW** 162.02 **PS** S  
**SG** 1.58 g/cm<sup>3</sup> **MP** 49-53 °C **BP** 260 °C **FP** 133 °C  
**SOL** M,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-1008N	10 mg
100 µg/mL in MeOH	P-1008S	1 mL

## 2,6-Dichlorobenzamide

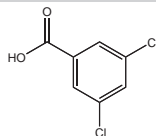


BAM

**CAS** 2008-58-4 **MF** C<sub>7</sub>H<sub>5</sub>Cl<sub>2</sub>NO **MW** 190.03 **PS** S  
**SG** 1.44 g/cm<sup>3</sup> **MP** 196-201 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-1035N	10 mg
100 µg/mL in MeOH	P-1035S	1 mL

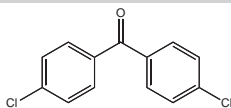
## 3,5-Dichlorobenzoic acid



**CAS** 51-36-5 **MF** C<sub>7</sub>H<sub>4</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 191.01 **PS** S  
**SG** 1.52 g/cm<sup>3</sup> **MP** 185-187 °C **BP** 309 °C  
**FP** 141 °C **SOL** M,A,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-242N	10 mg
100 µg/mL in MeOH	P-242S	1 mL
1000 µg/mL in MeOH	P-242S-10X	1 mL
100 µg/mL in ACN	P-242S-CN	1 mL

## 4,4'-Dichlorobenzophenone

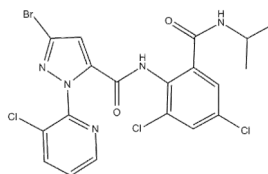


**CAS** 90-98-2 **MF** C<sub>13</sub>H<sub>8</sub>Cl<sub>2</sub>O **MW** 251.11 **PS** S  
**SG** 1.31 g/cm<sup>3</sup> **MP** 144-147 °C **BP** 353 °C  
**FP** 156 °C **SOL** M,D,H

Matrix	Cat. No.	Unit
NEAT	P-295N	10 mg
100 µg/mL in MeOH	P-295S	1 mL
1000 µg/mL in MeOH	P-295S-10X	1 mL

## Dichloro-isopropyl-chlorantraniliprole

Chlorantraniliprole derivative

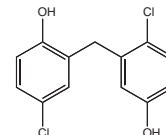


**CAS** N/A **MF** C<sub>19</sub>H<sub>15</sub>BrCl<sub>3</sub>N<sub>5</sub>O<sub>2</sub> **MW** 531.4 **PS** S  
**MP** 208-212 °C **SOL** M,EA,D,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1459S	1 mL

## Dichlorophen

4,4'-Dichloro-2,2'-methylenebisphenol

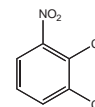


**CAS** 97-23-4 **MF** C<sub>13</sub>H<sub>10</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 269.13 **PS** S  
**SG** 1.42 g/cm<sup>3</sup> **MP** 177-178 °C **SOL** A<sub>1</sub>,IPA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-232N	10 mg
100 µg/mL in MeOH	P-232S	1 mL

## 2,3-Dichloronitrobenzene

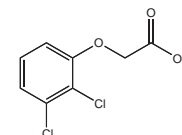
1,2-Dichloro-3-nitrobenzene



**CAS** 3209-22-1 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 192.00 **PS** S  
**SG** 1.72 g/cm<sup>3</sup> **MP** 62 °C **BP** 257-258 °C  
**FP** 124 °C **SOL** D,T,TP

Matrix	Cat. No.	Unit
NEAT	P-1005N	10 mg
100 µg/mL in Toluene	P-1005S-T	1 mL

## 2,3-Dichlorophenoxyacetic acid

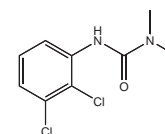


2,3-D

**CAS** 2976-74-1 **MF** C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 221.04 **PS** S  
**SG** 1.49 g/cm<sup>3</sup> **MP** 173-175 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-470N	10 mg
100 µg/mL in MeOH	P-470S	1 mL
100 µg/mL in ACN	P-470S-CN	1 mL

## 3-(2,3-Dichlorophenyl)-1,1-dimethylurea



2,3-Diuron

**CAS** 10290-37-6 **MF** C<sub>9</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 233.09  
**PS** S **SG** 1.37 g/cm<sup>3</sup> **MP** 80-81 °C **SOL** M

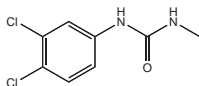
Matrix	Cat. No.	Unit
NEAT	P-632N	10 mg
100 µg/mL in MeOH	P-632S	1 mL

▲ May esterify in methanol



# Individual Pesticides

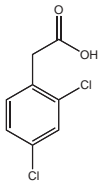
## 1-(3,4-Dichlorophenyl)-3-methylurea



**CAS** 3567-62-2 **MF** C<sub>8</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 219.07 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 157-159 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-1038N	10 mg
100 µg/mL in MeOH	P-1038S	1 mL

## 2,4-Dichlorophenylacetic acid



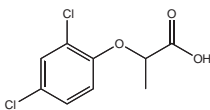
DCAA

**CAS** 19719-28-9 **MF** C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 205.04 **PS** S  
**SG** 1.46 g/cm<sup>3</sup> **MP** 128-133 °C **BP** 325 °C  
**FP** 150 °C **SOL** M,A,D,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-244N	10 mg
100 µg/mL in MeOH	P-244S	1 mL
1000 µg/mL in MeOH	P-244S-10X	1 mL
100 µg/mL in ACN	P-244S-CN	1 mL

## Dichlorprop

(RS)-2-(2,4-Dichlorophenoxy)propionic acid



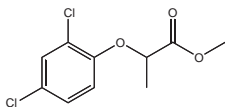
2,4-DP

**CAS** 120-36-5 **MF** C<sub>9</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 235.07 **PS** S  
**SG** 1.42 g/cm<sup>3</sup> **MP** 110-112 °C **FP** 204 °C  
**SOL** M,A,D,H,T,CN,EA,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-143N	10 mg
100 µg/mL in MeOH	P-143S	1 mL
100 µg/mL in ACN	P-143S-CN	1 mL

## Dichlorprop methyl ester

Methyl 2-(2,4-dichlorophenoxy)propionate



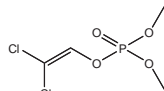
**CAS** 57153-17-0 **MF** C<sub>10</sub>H<sub>10</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 249.09 **PS** L  
**SG** 1.31 g/cm<sup>3</sup> **BP** 111 °C (0.8mm Hg) **SOL** M,H,T

Matrix	Cat. No.	Unit
NEAT	P-229N	10 mg
100 µg/mL in MeOH	P-229S	1 mL

▲ May esterify in methanol

## Dichlorvos

O,O-Dimethyl-O-(2,2-Dichlorovinyl)phosphate



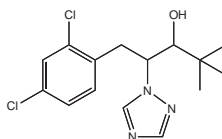
DDVP, Vapona

**CAS** 62-73-7 **MF** C<sub>4</sub>H<sub>7</sub>Cl<sub>2</sub>O<sub>4</sub>P **MW** 220.98 **PS** L  
**SG** 1.42 g/cm<sup>3</sup> **BP** 74 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-036N	10 mg
100 µg/mL in MeOH	P-036S	1 mL
1000 µg/mL in Acetone	P-036S-A-10X	1 mL
1000 µg/mL in Hexane	P-036S-H-10X	1 mL

## Diclobutrazol

1-(2,4-Dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)-3-pentanol

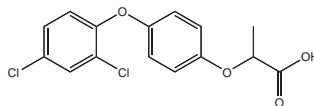


**CAS** 75736-33-3 **MF** C<sub>15</sub>H<sub>19</sub>Cl<sub>2</sub>N<sub>3</sub>O **MW** 328.24  
**PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 147-149 °C **BP** 484 °C  
**FP** 247 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-641N	10 mg
100 µg/mL in ACN	P-641S-CN	1 mL

## Diclofop

2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid



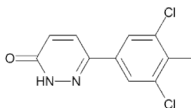
Hoe-grass

**CAS** 40843-25-2 **MF** C<sub>15</sub>H<sub>12</sub>Cl<sub>2</sub>O<sub>4</sub> **MW** 327.17  
**PS** SSG 1.34 g/cm<sup>3</sup> **MP** 101-102 °C  
**SOL** M,A,D,H,CN,W

Matrix	Cat. No.	Unit
NEAT	P-514N	10 mg
100 µg/mL in MeOH	P-514S	1 mL

## Diclomezine

6-(3,5-Dichlorophenyl-p-tolyl) pyridazin-3(2H)-one



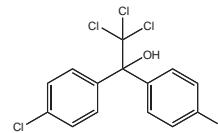
Monguar

**CAS** 62865-36-5 **MF** C<sub>11</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 255.10  
**PS** S **SG** 1.44 g/cm<sup>3</sup> **MP** 252 °C **SOL** M,CN,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1206S-CN	1 mL

## Dicofol

2,2,2-Trichloro-1,1-bis(4-chlorophenyl)ethanol



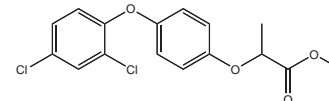
p,p'-Dicofol, Kelthane

**CAS** 115-32-2 **MF** C<sub>14</sub>H<sub>9</sub>Cl<sub>5</sub>O **MW** 370.49 **PS** S  
**SG** 1.45 g/cm<sup>3</sup> **MP** 78-79 °C **BP** 193 °C (360mm Hg) **FP** 193 °C **SOL** M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-057N	10 mg
100 µg/mL in MeOH	P-057S	1 mL
1000 µg/mL in Acetone	P-057S-A-10X	1 mL

## Diclofop methyl

Methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy] propionate

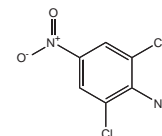


**CAS** 51338-27-3 **MF** C<sub>16</sub>H<sub>14</sub>Cl<sub>2</sub>O<sub>4</sub> **MW** 341.2 **PS** S  
**SG** 1.40 g/cm<sup>3</sup> **MP** 39-41 °C **BP** 370 °C  
**SOL** M,A,D,H,T,CN,TP,DMSO,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-303N	10 mg
100 µg/mL in MeOH	P-303S	1 mL

## Dicloran

2,6-Dichloro-4-nitroaniline



Allisan, Botran

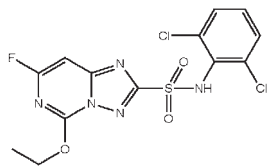
**CAS** 99-30-9 **MF** C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub> **MW** 207.01 **PS** S  
**SG** 0.28 g/cm<sup>3</sup> **MP** 195 °C **BP** 130 °C (2mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-013N	10 mg
100 µg/mL in MeOH	P-013S	1 mL

# Individual Pesticides

## Diclosulam

N-(2,6-Dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide

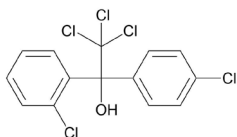


**CAS** 145701-21-9 **MF** C<sub>13</sub>H<sub>10</sub>Cl<sub>2</sub>FN<sub>5</sub>O<sub>3</sub>S **MW** 406.22  
**PS** L **SG** 1.60 g/cm<sup>3</sup> **MP** 218-221 °C  
**SOL** A,D,EA,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-904S	1 mL

## o,p'-Dicofol

2,2,2-Trichloro-1-(2-chlorophenyl)-1-(4-chlorophenyl)ethanol

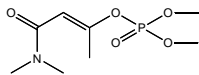


**CAS** 10606-46-9 **MF** C<sub>14</sub>H<sub>9</sub>Cl<sub>5</sub>O **MW** 370.49  
**PS** S **SG** 1.45 g/cm<sup>3</sup> **MP** 122 °C **SOL** M,A,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-606N	10 mg
100 µg/mL in MeOH	P-606S	1 mL

## Dicrotophos

(E)-2-Dimethylcarbamoyl-1-methylvinyl dimethyl phosphate



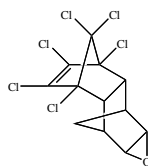
*Bidrin*

**CAS** 141-66-2 **MF** C<sub>8</sub>H<sub>16</sub>NO<sub>5</sub>P **MW** 237.19 **PS** L  
**SG** 1.22 g/cm<sup>3</sup> **BP** 400 °C **FP** >100 °C  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-178N	10 mg
100 µg/mL in MeOH	P-178S	1 mL

## Dieldrin

endo,exo-1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene



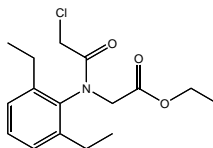
*HEOD*

**CAS** 60-57-1 **MF** C<sub>12</sub>H<sub>8</sub>Cl<sub>6</sub>O **MW** 380.92 **PS** S  
**SG** 1.75 g/cm<sup>3</sup> **MP** 176-177 °C **BP** 385 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-037N	10 mg
100 µg/mL in MeOH	P-037S	1 mL
1000 µg/mL in MeOH	P-037S-10X	1 mL

## Diethyl ethyl

Ethyl N-(chloroacetyl)-N-2,6-diethylphenylglycinate

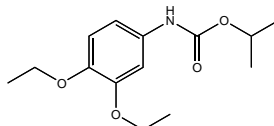


**CAS** 38727-55-8 **MF** C<sub>16</sub>H<sub>22</sub>ClNO<sub>3</sub> **MW** 311.84  
**PS** L **SG** 1.38 g/cm<sup>3</sup> **MP** 50 °C **SOL** M,IPA

Matrix	Cat. No.	Unit
NEAT	P-599N	10 mg
100 µg/mL in MeOH	P-599S	1 mL

## Diethofencarb

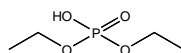
Isopropyl 3,4-diethoxycarbanilate



**CAS** 87130-20-9 **MF** C<sub>14</sub>H<sub>21</sub>NO<sub>4</sub> **MW** 267.36 **PS** S  
**SG** 1.19 g/cm<sup>3</sup> **MP** 100 °C **BP** 272 °C **FP** 140 °C  
**SOL** M,A,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-744N	10 mg
100 µg/mL in MeOH	P-744S	1 mL

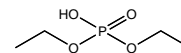
## Diethyl phosphate (mono- & di-)



**CAS** 37203-76-2 **MF** C<sub>4</sub>H<sub>11</sub>O<sub>4</sub>P **MW** 154.1 **PS** L  
**SG** 1.29 g/cm<sup>3</sup> **BP** 203 °C **FP** 91 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-443N	10 mg
100 µg/mL in MeOH	P-443S	1 mL

## Diethylphosphate

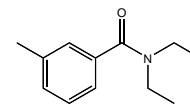


**CAS** 598-02-7 **MF** C<sub>4</sub>H<sub>11</sub>O<sub>4</sub>P **MW** 154.1 **PS** L  
**SG** 1.29 g/cm<sup>3</sup> **BP** 203 °C **FP** 91 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-534N	10 mg
100 µg/mL in MeOH	P-534S	1 mL

## N,N-Diethyl-m-toluamide

N,N-Diethyl-3-methylbenzamide



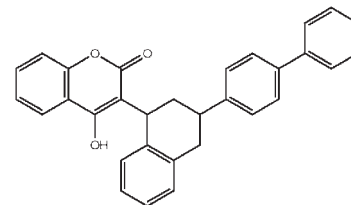
*DEET, Diethyltoluamide, Off*

**CAS** 134-62-3 **MF** C<sub>12</sub>H<sub>17</sub>NO **MW** 191.3 **PS** L  
**SG** 0.99 g/cm<sup>3</sup> **BP** 296 °C **FP** 155 °C  
**SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-255N	10 mg
100 µg/mL in MeOH	P-255S	1 mL

## Difenacoum

3-(3-Biphenyl-4-yl-1,2,3,4-tetrahydro-naphthalen-1-yl)-4-hydroxychromen-2-one

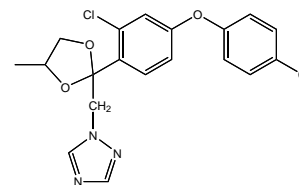


**CAS** 56073-07-5 **MF** C<sub>31</sub>H<sub>24</sub>O<sub>3</sub> **MW** 444.52 **PS** S  
**SG** 1.35 g/cm<sup>3</sup> **MP** 215-217 °C **SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1151S-CN	1 mL

## Difenoconazole

3-Chloro-4-[4-methyl-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-2-yl]phenyl 4-chlorophenyl ether



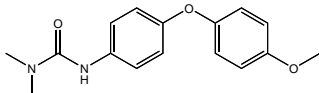
**CAS** 119446-68-3 **MF** C<sub>19</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub> **MW** 406.26  
**PS** S **SG** 1.40 g/cm<sup>3</sup> **MP** 79 °C **BP** 101 °C  
**FP** 285 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-447N	10 mg
100 µg/mL in MeOH	P-447S	1 mL
1000 µg/mL in Acetone	P-447S-A-10X	1 mL

# Individual Pesticides

## Difenoxuron

3-[4-(4-Methoxyphenoxy)phenyl]-1,1-dimethylurea



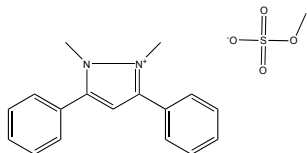
Lironion, Pinoran

**CAS** 14214-32-5 **MF** C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>O<sub>3</sub> **MW** 286.33 **PS** S  
**SG** 1.19 g/cm<sup>3</sup> **MP** 138-139 °C **SOL** M,CN,D,A,H

Matrix	Cat. No.	Unit
NEAT	P-604N	10 mg
100 µg/mL in MeOH	P-604S	1 mL

## Difenzoquat methyl sulfate

1,2-Dimethyl-3,5-diphenyl-1H-pyrazolium methyl sulfate

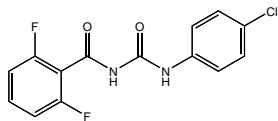


**CAS** 43222-48-6 **MF** C<sub>18</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S **MW** 360.43 **PS** S  
**SG** 0.8 g/cm<sup>3</sup> **MP** 157-158 °C **SOL** W,D,M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-1330N	10 mg
100 µg/mL in MeOH	P-1330S	1 mL

## Diflubenzuron

1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea

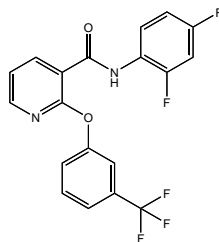


**CAS** 35367-38-5 **MF** C<sub>14</sub>H<sub>9</sub>ClF<sub>2</sub>N<sub>2</sub>O<sub>2</sub> **MW** 310.68  
**PS** S **SG** 1.56 g/cm<sup>3</sup> **MP** 230-232 °C **BP** 257 °C  
**SOL** M,A,D,CN,EA, H,T

Matrix	Cat. No.	Unit
NEAT	P-377N	10 mg
100 µg/mL in MeOH	P-377S	1 mL
1000 µg/mL in ACN	P-377S-CN-10X	1 mL

## Diflufenican

2',4'-Difluoro-2-(a,a,a-trifluoro-m-tolxy)nicotinamide



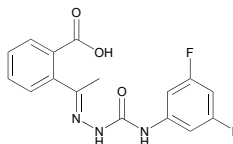
Diflufenicanil

**CAS** 83164-33-4 **MF** C<sub>13</sub>H<sub>11</sub>F<sub>5</sub>N<sub>2</sub>O<sub>2</sub> **MW** 394.29 **PS** S  
**SG** 1.54 g/cm<sup>3</sup> **MP** 160 °C **SOL** M,EA,A,D,CN,T

Matrix	Cat. No.	Unit
NEAT	P-722N	10 mg
100 µg/mL in MeOH	P-722S	1 mL
1000 µg/mL in MeOH	P-722S-10X	1 mL

## Diflufenzopyr

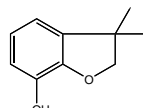
2-((EZ)-1-[4-(3,5-difluorophenyl)semicarbazono]ethyl)nicotinic acid



**CAS** 109293-97-2 **MF** C<sub>15</sub>H<sub>12</sub>F<sub>2</sub>N<sub>4</sub>O<sub>3</sub> **MW** 334.28  
**PS** S **SG** 0.24 g/cm<sup>3</sup> **MP** 136 °C  
**BP** decomp. 155 °C **SOL** CN,M

Matrix	Cat. No.	Unit
NEAT	P-1210N	10 mg

## 2,3-Dihydro-2,2-dimethylbenzofuran-7-ol

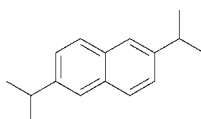


Carbofuran phenol

**CAS** 1563-38-8 **MF** C<sub>10</sub>H<sub>12</sub>O<sub>2</sub> **MW** 164.21 **PS** L  
**SG** 1.10 g/cm<sup>3</sup> **FP** 113 °C **SOL** M,W,D

Matrix	Cat. No.	Unit
NEAT	P-628N	10 mg
100 µg/mL in MeOH	P-628S	1 mL

## 2,6-Diisopropyl-naphthalene

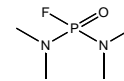


**CAS** 24157-81-1 **MF** C<sub>16</sub>H<sub>20</sub> **MW** 212.34 **PS** S  
**SG** 0.49 g/cm<sup>3</sup> **MP** 67-69 °C **SOL** A

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1291S-A	1 mL
1000 µg/mL in Acetone	P-1291S-A-10X	1 mL

## Dimefox

bis(dimethylamino)fluorophosphine oxide



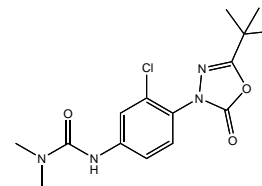
Tetramethylphosphorodiamidic fluoride (I)

**CAS** 115-26-4 **MF** C<sub>4</sub>H<sub>12</sub>FN<sub>2</sub>OP **MW** 154.12 **PS** L  
**SG** 1.11 g/cm<sup>3</sup> **BP** 85 °C (15mm Hg) **FP** >100 °C  
**SOL** M,CN,A

Matrix	Cat. No.	Unit
NEAT	P-299N	10 mg
100 µg/mL in MeOH	P-299S	1 mL

## Dimefuron

3-[4-(5-tert-Butyl-2,3-dihydro-2-oxo-1,3,4-oxadiazol-3-yl)-3-chlorophenyl]-1,1-dimethylurea

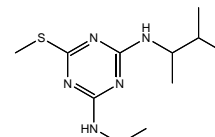


**CAS** 34205-21-5 **MF** C<sub>15</sub>H<sub>19</sub>ClN<sub>3</sub>O<sub>3</sub> **MW** 338.83  
**PS** S **MP** 193 °C **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-565N	10 mg
100 µg/mL in MeOH	P-565S	1 mL

## Dimethametryn

N-(1,2-Dimethylpropyl)-N'-ethyl-6-(methylthio)1,3,5-triazine-2,4-diamine



Dimepax

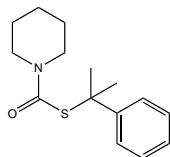
**CAS** 22936-75-0 **MF** C<sub>11</sub>H<sub>21</sub>N<sub>3</sub>S **MW** 255.43 **PS** S  
**SG** 1.11 g/cm<sup>3</sup> **MP** 65 °C **BP** 151-153 °C (0.04mm Hg)  
**SOL** A,D,H,M,CN,T

Matrix	Cat. No.	Unit
NEAT	P-643N	10 mg
100 µg/mL in MeOH	P-643S	1 mL
100 µg/mL in ACN	P-643S-CN-10X	1 mL

# Individual Pesticides

## Dimepiperate

S-(1-Methyl-1-phenylethyl) 1-piperidinecarbothioate

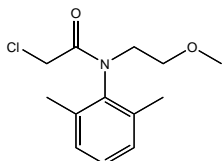


**CAS** 61432-55-1 **MF** C<sub>15</sub>H<sub>21</sub>NOS **MW** 263.40 **PS** S  
**SG** 1.08 g/cm<sup>3</sup> **MP** 39-40 °C **BP** 376 °C **SOL** A,H

Matrix	Cat. No.	Unit
50 µg/mL in Acetone	P-1020S-A-0.5X	1 mL
50 µg/mL in ACN	P-1020S-CN-10X	1 mL

## Dimethachlor

2-Chloro-N-(2-methoxyethyl)aceto-2',6'-xylylide

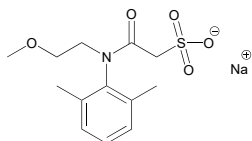


**CAS** 50563-36-5 **MF** C<sub>13</sub>H<sub>18</sub>ClNO<sub>2</sub> **MW** 255.77 **S** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 47 °C **BP** Decomp. 300 °C  
**FP** 180 °C **SOL** M,A,H,CN,D,W

Matrix	Cat. No.	Unit
NEAT	P-642N	10 mg
100 µg/mL in MeOH	P-642S	1 mL
1000 µg/mL in MeOH	P-642S-10X	1 mL

## Dimethachlor ESA sodium salt

Sodium 2-[(2,6-dimethylphenyl)(2-methoxyethyl)amino]-2-oxo-ethanesulfonate

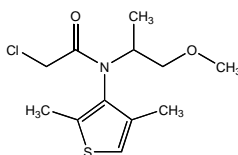


**CAS** N/A **MF** C<sub>13</sub>H<sub>18</sub>NNaO<sub>5</sub>S **MW** 323.34 **SOL** A,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-914S	1 mL

## Dimethenamid

(RS)-2-Chloro-N-(2,4-dimethyl-3-thienyl)-N-(2-methoxy-1-methylethyl)acetamide

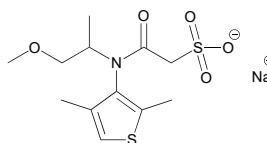


**CAS** 87674-68-8 **MF** C<sub>12</sub>H<sub>18</sub>ClNO<sub>2</sub>S **MW** 275.8  
**PS** L **SG** 1.20 g/cm<sup>3</sup> **BP** 354 °C **FP** 91 °C  
**SOL** A,EA,H,T,TP,M

Matrix	Cat. No.	Unit
NEAT	P-747N	10 mg
100 µg/mL in MeOH	P-747S	1 mL
1000 µg/mL in Acetone	P-747S-A-10X	1 mL

## Dimethenamid ESA sodium salt

Sodium 2-[(2,4-dimethylthiophen-3-yl)(2-methoxy-1-methylethyl)amino]-2-oxo-ethanesulfonate

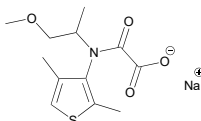


**CAS** 205939-58-8 **MF** C<sub>13</sub>H<sub>18</sub>NNaO<sub>5</sub>S<sub>2</sub> **MW** 366.5  
**PS** S **MP** 150-153 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-917S	1 mL

## Dimethenamid OA sodium salt

Sodium [(2,4-dimethylthiophen-3-yl)(2-methoxy-1-methylethyl)amino]-oxo-acetate

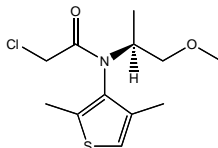


**CAS** N/A **MF** C<sub>12</sub>H<sub>16</sub>NO<sub>4</sub>SNa **MW** 293 **PS** S  
**MP** 225 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-918S	1 mL

## Dimethenamide-P

(S)-2-Chloro-N-(2,4-dimethyl-2-thienyl)-N-(2-methoxy-1-methylethyl)acetamide

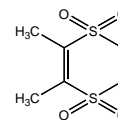


**CAS** 163515-14-8 **MF** C<sub>12</sub>H<sub>18</sub>ClNO<sub>2</sub>S **MW** 275.8  
**PS** L **SG** 1.20 g/cm<sup>3</sup> **BP** 280 °C **FP** >150 °C  
**SOL** H,M,W

Matrix	Cat. No.	Unit
NEAT	P-934N	10 mg
100 µg/mL in MeOH	P-934S	1 mL

## Dimethipin

2,3-Dihydro-5,6-dimethyl-1,4-dithiine 1,1,4,4-tetraoxide



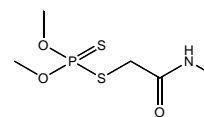
Harvade

**CAS** 55290-64-7 **MF** C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>S<sub>2</sub> **MW** 210.27 **PS** S  
**SG** 1.59 g/cm<sup>3</sup> **MP** 167-169 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-483N	10 mg
100 µg/mL in MeOH	P-483S	1 mL

## Dimethoate

2-Dimethoxyphosphinothioylthio-N-methylacetamide



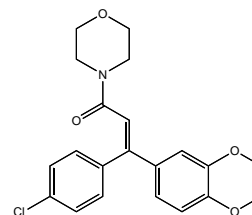
Cygon, Rogor

**CAS** 60-51-5 **MF** C<sub>5</sub>H<sub>12</sub>NO<sub>3</sub>PS<sub>2</sub> **MW** 229.26 **PS** S  
**SG** 1.31 g/cm<sup>3</sup> **MP** 44-45 °C **BP** Decomp. 117 °C  
**FP** 107 °C **SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-039N	10 mg
100 µg/mL in MeOH	P-039S	1 mL
1000 µg/mL in MeOH	P-039S-10X	1 mL
1000 µg/mL in Acetone	P-039S-A-10X	1 mL

## Dimethomorph

(E,Z)-4-[3-(4-Chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl]morpholine



Dimethomorph mixture of E + Z isomers

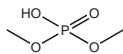
**CAS** 110488-70-5 **MF** C<sub>21</sub>H<sub>22</sub>ClNO<sub>4</sub> **MW** 387.86  
**PS** S **SG** 1.32 g/cm<sup>3</sup> **MP** 125-149 °C  
**SOL** A,H,M,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-713N	10 mg
100 µg/mL in MeOH	P-713S	1 mL
1000 µg/mL in ACN	P-713S-CN-10X	1 mL

# Individual Pesticides

## Dimethyl phosphate

O,O-Dimethyl hydrogen phosphate



**CAS** 813-78-5 **MF** C<sub>2</sub>H<sub>7</sub>O<sub>4</sub>P **MW** 126.04 **PS** L  
**SG** 1.32 g/cm<sup>3</sup> **BP** 172-176 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-442N	10 mg
100 µg/mL in MeOH	P-442S	1 mL

## Dimethylarsinic acid

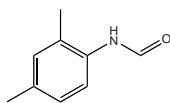


*Cacodylic acid*

**CAS** 75-60-5 **MF** C<sub>2</sub>H<sub>7</sub>AsO<sub>2</sub> **MW** 138.00 **PS** S  
**MP** 195 °C **BP** 253 °C **FP** 109 °C **SOL** M,W

Matrix	Cat. No.	Unit
NEAT	P-1075N	10 mg
100 µg/mL in MeOH	P-1075S	1 mL

## N-(2,4-Dimethylphenyl)formamide



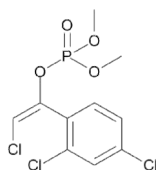
2,4-DMPF

**CAS** 60397-77-5 **MF** C<sub>9</sub>H<sub>11</sub>NO **MW** 149.19 **PS** S  
**MP** 114-118 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1100S-CN	1 mL

## (E)-Dimethylvinphos

(E)-2-Chloro-1-(2,4-dichlorophenyl)vinyl Dimethyl Phosphate

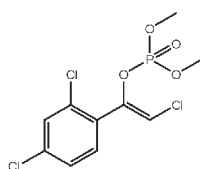


**CAS** 71363-52-5 **MF** C<sub>10</sub>H<sub>10</sub>Cl<sub>3</sub>O<sub>4</sub>P **MW** 331.5  
**PS** L **SOL** CN,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1295S-CN	1 mL

## (Z)-Dimethylvinphos

(Z)-2-Chloro-1-(2,4-dichlorophenyl)vinyl dimethyl phosphate



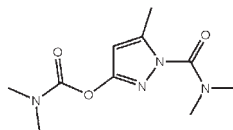
*Dimethylvinphos (Z type)*

**CAS** 67628-93-7 **MF** C<sub>10</sub>H<sub>10</sub>Cl<sub>3</sub>O<sub>4</sub>P **MW** 331.52  
**PS** S **SG** 1.26 g/cm<sup>3</sup> **MP** 69-70 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1057S-A	1 mL
1000 µg/mL in ACN	P-1057S-CN-10X	1 mL

## Dimetilan

1-(Dimethylcarbamoyl)-5-methyl-1H-pyrazol-3-yl dimethylcarbamate

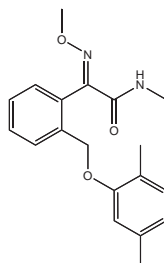


**CAS** 644-64-4 **MF** C<sub>10</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub> **MW** 240.26 **PS** S  
**SG** 1.25 g/cm<sup>3</sup> **MP** 69-70 °C **BP** 200-210 °C (10mm Hg) **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-905S-CN	1 mL

## Dimoxystrobin

(E)-2-(Methoxyimino)-N-methyl-2-[a-(2,5-xylyloxy)-o-tolyl]acetamide

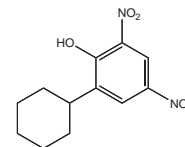


**CAS** 149961-52-4 **MF** C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub> **MW** 326.39  
**PS** S **SG** 1.24 g/cm<sup>3</sup> **MP** 138-140 °C  
**SOL** A,T,M,EA,CN,IPA,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-844S-CN	1 mL

## Dinex

2-Cyclohexyl-4,6-Dinitrophenol



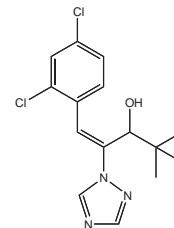
*4,6-Dinitro-o-cyclohexylphenol*

**CAS** 131-89-5 **MF** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub> **MW** 266.25 **PS** S  
**SG** 1.38 g/cm<sup>3</sup> **MP** 104 °C **SOL** M,D,H

Matrix	Cat. No.	Unit
NEAT	P-427N	10 mg
100 µg/mL in MeOH	P-427S	1 mL
1000 µg/mL in MeOH	P-427S-10X	1 mL

## Diniconazol

(E)-(RS)-1-(2,4-Dichlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol



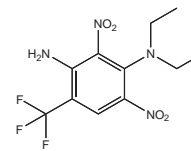
*Embassador™, Spotless™*

**CAS** 83657-24-3 **MF** C<sub>15</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O **MW** 326.22  
**PS** S **SG** 1.32 g/cm<sup>3</sup> **MP** 134-156 °C **FP** >150 °C  
**SOL** A,M,H,CN,T

Matrix	Cat. No.	Unit
NEAT	P-845N	10 mg
100 µg/mL in ACN	P-845S-CN	1 mL
100 µg/mL in ACN	P-845S-A-10X	1 mL

## Dinitramine

N,N-Diethyl-2,6-dinitro-4-trifluoromethyl-m-phenyl-enediamine



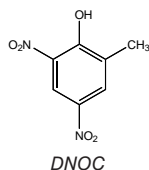
**CAS** 29091-05-2 **MF** C<sub>11</sub>H<sub>13</sub>F<sub>3</sub>N<sub>4</sub>O<sub>4</sub> **MW** 322.24  
**PS** S **SG** 1.46 g/cm<sup>3</sup> **MP** 98-99 °C **BP** Decomp.  
200 °C **SOL** M,A,CN,TP,H

Matrix	Cat. No.	Unit
NEAT	P-575N	10 mg
100 µg/mL in MeOH	P-575S	1 mL
1000 µg/mL in MeOH	P-575S-10X	1 mL



# Individual Pesticides

## 2-Methyl-4,6-dinitrophenol

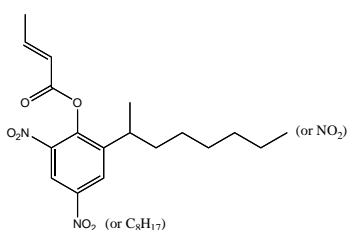


**CAS** 534-52-1 **MF** C<sub>7</sub>H<sub>6</sub>N<sub>2</sub>O<sub>5</sub> **MW** 198.13 **PS** S  
**SG** 1.56 g/cm<sup>3</sup> **MP** 88 °C **BP** 312 °C  
**SOL** M,A,D,H,T,CN,W,EA

Matrix	Cat. No.	Unit
NEAT	P-384N	10 mg
100 µg/mL in MeOH	P-384S	1 mL
1000 µg/mL in MeOH	P-384S-10X	1 mL

## Dinocap

2,6-Dinitro-4-octylphenyl crotonates

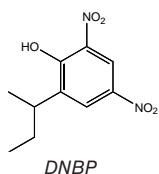


**CAS** 39300-45-3 **MF** C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>6</sub> **MW** 364.39 **PS** L  
**SG** 1.10 g/cm<sup>3</sup> **BP** 138-140 °C (0.05mm Hg)  
**SOL** M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-288N	10 mg
100 µg/mL in MeOH	P-288S	1 mL

## Dinoseb

2-sec-Butyl-4,6-dinitrophenol

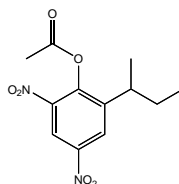


**CAS** 88-85-7 **MF** C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub> **MW** 240.21 **PS** S  
**SG** 1.30 g/cm<sup>3</sup> **MP** 45-46 °C **BP** 332 °C  
**FP** >100 °C **SOL** M,A,D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-144N	10 mg
100 µg/mL in MeOH	P-144S	1 mL
1000 µg/mL in MeOH	P-144S-10X	1 mL

## Dinoseb acetate

2-sec-Butyl-4,6-dinitrophenyl acetate

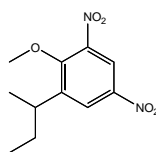


**CAS** 2813-95-8 **MF** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>6</sub> **MW** 282.25 **PS** L  
**SG** 1.30 g/cm<sup>3</sup> **BP** 170 °C **FP** >100 °C **SOL** EA

Matrix	Cat. No.	Unit
NEAT	P-779N	10 mg
100 µg/mL in MeOH	P-779S	1 mL

## Dinoseb methyl ether

2-sec-Butyl-4,6-dinitroanisole



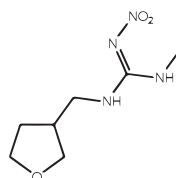
*Dinoseb methyl ester*

**CAS** 6099-79-2 **MF** C<sub>11</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub> **MW** 254.24 **PS** L  
**SOL** M,A,D,H,T

Matrix	Cat. No.	Unit
NEAT	P-230N	10 mg
100 µg/mL in MeOH	P-230S	1 mL

## Dinotefuran

(RS)-1-Methyl-2-nitro-3-(tetrahydro-3-furylmethyl) guanidine

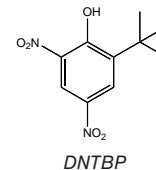


**CAS** 165252-70-0 **MF** C<sub>7</sub>H<sub>14</sub>N<sub>4</sub>O<sub>3</sub> **MW** 202.21  
**PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 107-108 °C  
**BP** Decomp. 208 °C **SOL** M,CN,H,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-986S-CN	1 mL
1000 µg/mL in ACN	P-986S-CN-10X	1 mL

## Dinoterb

2-tert-Butyl-4,6-dinitrophenol

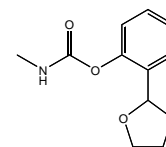


**CAS** 1420-07-1 **MF** C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub> **MW** 240.21 **PS** S  
**SG** 1.35 g/cm<sup>3</sup> **MP** 125.5-126.5 °C **BP** Decomp.  
 220 °C **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-524S	1 mL

## Dioxacarb

2-(1,3-Dioxolan-2-yl)phenyl methylcarbamate

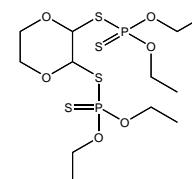


**CAS** 6988-21-2 **MF** C<sub>11</sub>H<sub>13</sub>NO<sub>4</sub> **MW** 223.25 **PS** S  
**SG** 1.46 g/cm<sup>3</sup> **MP** 114-115 °C **SOL** M,A,CN,H

Matrix	Cat. No.	Unit
NEAT	P-264N	10 mg
100 µg/mL in MeOH	P-264S	1 mL

## Dioxathion

1,4-Dioxan-2,3-diyl-O,O',O'-tetraethyl di(phosphorodithioate)



*Delnav, Navadel*

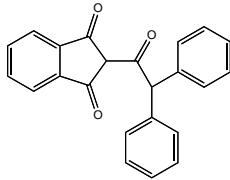
**CAS** 78-34-2 **MF** C<sub>12</sub>H<sub>26</sub>O<sub>6</sub>P<sub>2</sub>S<sub>4</sub> **MW** 456.56 **PS** L  
**SG** 1.26 g/cm<sup>3</sup> **BP** 60-68 °C **SOL** M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-219N	10 mg
100 µg/mL in MeOH	P-219S	1 mL
1000 µg/mL in MeOH	P-219S-10X	1 mL
1000 µg/mL in Hexane	P-219S-H-10X	1 mL

# Individual Pesticides

## Diphacinone

2-Diphenylacetyl-1,3-indandione



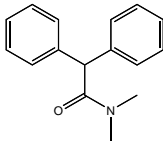
*Diphenadione*

**CAS** 82-66-6 **MF** C<sub>23</sub>H<sub>16</sub>O<sub>3</sub> **MW** 340.37 **PS** S  
**SG** 1.28 g/cm<sup>3</sup> **MP** 146 °C **SOL** M,A,T

Matrix	Cat. No.	Unit
NEAT	P-315N	10 mg
100 µg/mL in ACN	P-315S-CN	1 mL

## Diphenamid

N,N-Dimethyl-2,2-diphenylacetamide



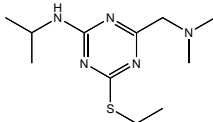
*Dymid, Enide*

**CAS** 957-51-7 **MF** C<sub>16</sub>H<sub>17</sub>NO **MW** 239.31 **PS** S  
**SG** 1.17 g/cm<sup>3</sup> **MP** 135 °C **SOL** M,A,D,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-173N	10 mg
100 µg/mL in MeOH	P-173S	1 mL
1000 µg/mL in ACN	P-173S-CN-10X	1 mL

## Dipropetryn

6-(Ethylsulfanyl)-N,N'-diisopropyl-1,3,5-triazine-2,4-diamine

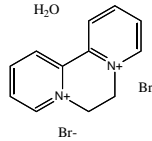


*Sancap*

**CAS** 4147-51-7 **MF** C<sub>11</sub>H<sub>21</sub>N<sub>5</sub>S **MW** 255.38 **PS** S  
**SG** 1.11 g/cm<sup>3</sup> **MP** 104-106 °C **SOL** A,D,T,H,M

Matrix	Cat. No.	Unit
NEAT	P-580N	10 mg
100 µg/mL in MeOH	P-580S	1 mL

## Diquat dibromide monohydrate

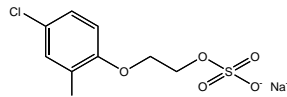


**CAS** 6385-62-2 **MF** C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>•2Br•H<sub>2</sub>O **MW** 362.06  
**PS** S **MP** 337 °C (decomp.) **SOL** M,W

Matrix	Cat. No.	Unit
NEAT	P-231N	10 mg
100 µg/mL in MeOH	P-231S	1 mL
1000 µg/mL in MeOH	P-231S-10X	1 mL

## Disul-sodium

Sodium 2,4-dichlorophenoxyethyl sulfate



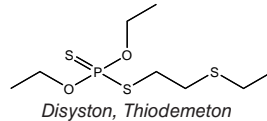
*Crag Herbicide, Sesone*

**CAS** 136-78-7 **MF** C<sub>8</sub>H<sub>7</sub>Cl<sub>2</sub>O<sub>5</sub>•Na **MW** 309.1 **PS** S  
**SG** 1.70 g/cm<sup>3</sup> **MP** 245 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-513N	10 mg
100 µg/mL in MeOH	P-513S	1 mL

## Disulfoton

O,O-Diethyl S-2-ethylthioethyl phosphorodithioate



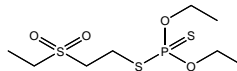
*Disyston, Thiodemeton*

**CAS** 298-04-4 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>2</sub>PS<sub>3</sub> **MW** 274.41 **PS** L  
**SG** 1.14 g/cm<sup>3</sup> **BP** 225 °C **FP** 133 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-042N	10 mg
100 µg/mL in MeOH	P-042S	1 mL
1000 µg/mL in MeOH	P-042S-10X	1 mL
1000 µg/mL in Hexane	P-042S-H-10X	1 mL

## Disulfoton sulfone

O,O-Diethyl S-2-ethylsulfonylethyl phosphorodithioate

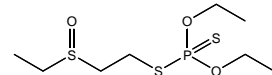


**CAS** 2497-06-5 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>4</sub>PS<sub>3</sub> **MW** 306.41 **PS** L  
**SOL** M,A,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-582N	10 mg
100 µg/mL in MeOH	P-582S	1 mL

## Disulfoton sulfoxide

O,O-Diethyl S-2-ethylsulfonylethyl phosphorodithioate



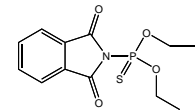
*Oxydisulfoton*

**CAS** 2497-07-6 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>3</sub>PS<sub>3</sub> **MW** 290.41 **PS** L  
**SG** 1.27 g/cm<sup>3</sup> **BP** 409 °C **FP** 93 °C **SOL** M,D,T,CN

Matrix	Cat. No.	Unit
NEAT	P-593N	10 mg
100 µg/mL in MeOH	P-593S	1 mL

## Ditalimfos

O,O-Diethyl phthalimidophosphonothioate

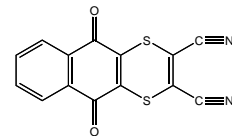


**CAS** 5131-24-8 **MF** C<sub>12</sub>H<sub>14</sub>NO<sub>4</sub>PS **MW** 299.28  
**PS** S **SG** 1.38 g/cm<sup>3</sup> **MP** 89-91 °C **BP** 400 °C  
**FP** >100 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-546N	10 mg
100 µg/mL in MeOH	P-546S	1 mL

## Dithianon

5,10-Dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithi-in-2,3-dicarbonitrile



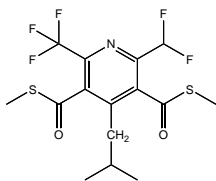
**CAS** 3347-22-6 **MF** C<sub>14</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub> **MW** 296.33 **PS** S  
**SG** 1.58 g/cm<sup>3</sup> **MP** 225 °C **FP** >300 °C  
**SOL** T,A,EA,H,M,CN

Matrix	Cat. No.	Unit
NEAT	P-725N	10 mg
100 µg/mL in Acetone	P-725S-A	1 mL

# Individual Pesticides

## Dithiopyr

S,S'-Dimethyl-2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate

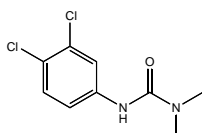


**CAS** 97886-45-8 **MF** C<sub>15</sub>H<sub>16</sub>F<sub>5</sub>NO<sub>2</sub>S<sub>2</sub> **MW** 401.44  
**PS** S **SG** 1.41 g/cm<sup>3</sup> **MP** 65 °C **BP** 460 °C  
**FP** 63 °C **SOL** M,A,CN,H,T

Matrix	Cat. No.	Unit
NEAT	P-741N	10 mg
100 µg/mL in MeOH	P-741S	1 mL
1000 µg/mL in Acetone	P-741S-A-10X	1 mL

## Diuron

3-(3,4-Dichlorophenyl)-1,1-dimethylurea



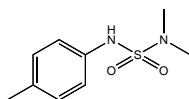
DCMU, Karmex

**CAS** 330-54-1 **MF** C<sub>9</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 233.09 **PS** S  
**SG** 1.5 g/cm<sup>3</sup> **MP** 158-159 °C **BP** Decomp. 180 °C  
**SOL** M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-227N	10 mg
100 µg/mL in MeOH	P-227S	1 mL
1000 µg/mL in ACN	P-227S-CN-10X	1 mL

## DMST

N,N-Dimethyl-N'-tolylsulfonylethylamide



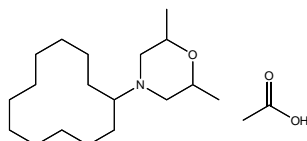
Tolyfluand metabolite

**CAS** 66840-71-9 **MF** C<sub>9</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 214.29  
**PS** S **SG** 1.26 g/cm<sup>3</sup> **MP** 88-91 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-572S	1 mL

## Dodemorph acetate

N-Cyclododecyl-2,6-dimethylmorpholinium acetate



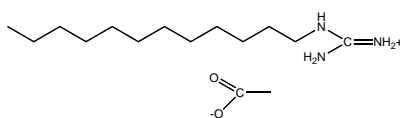
Meltatox

**CAS** 31717-87-0 **MF** C<sub>18</sub>H<sub>35</sub>NO<sup>+</sup>•C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> **MW** 341.53  
**PS** L **SG** 0.93 g/cm<sup>3</sup> **MP** 63-64 °C **BP** Decomp.  
158 °C **FP** 74 °C **SOL** EA,A,M

Matrix	Cat. No.	Unit
NEAT	P-385N	10 mg
100 µg/mL in MeOH	P-385S	1 mL

## Dodine

1-Dodecylguanidinium acetate

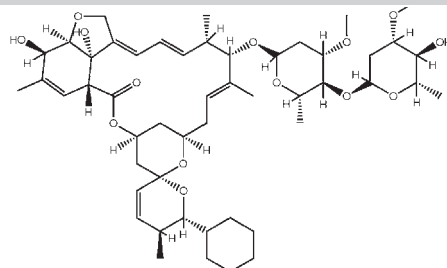


Cyprex

**CAS** 2439-10-3 **MF** C<sub>13</sub>H<sub>29</sub>N<sub>3</sub><sup>+</sup>•C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> **MW** 287.51  
**PS** S **MP** 136 °C **BP** Decomp. 200 °C  
**SOL** M,CN,A,W

Matrix	Cat. No.	Unit
NEAT	P-386N	10 mg
100 µg/mL in MeOH	P-386S	1 mL

## Doramectin

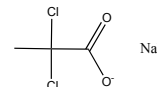


**CAS** 117704-25-3 **MF** C<sub>50</sub>H<sub>74</sub>O<sub>14</sub> **MW** 899.11 **PS** S  
**SG** 1.35 g/cm<sup>3</sup> **MP** 116-119 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-935N	10 mg
100 µg/mL in ACN	P-935S-CN	1 mL

## DPA Sodium

Sodium 2,2-dichloropropionate



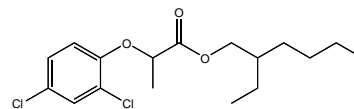
Dalapon-sodium

**CAS** 127-20-8 **MF** C<sub>3</sub>H<sub>3</sub>Cl<sub>2</sub>NaO<sub>2</sub> **MW** 164.95 **PS** S  
**SG** 1.74 g/cm<sup>3</sup> **MP** Decomp. 167 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-1348N	10 mg
100 µg/mL in MeOH	P-1348S	1 mL

## 2,4-DP ethyl hexyl

2-Ethylhexyl 2-(2,4-dichlorophenoxy)propionate

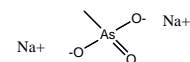


Dichlorprop, 2-ethylhexyl ester

**CAS** 79270-78-3 **MF** C<sub>17</sub>H<sub>24</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 347.28 **PS** L  
**BP** >130 °C **FP** 100 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-429N	10 mg
100 µg/mL in MeOH	P-429S	1 mL

## Disodium methane arsonate hexahydrate



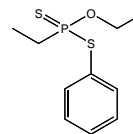
DSMA

**CAS** 144-21-8 **MF** CH<sub>3</sub>AsNa<sub>2</sub>O<sub>3</sub> **MW** 183.94 **PS** S  
**SG** 1.15 g/cm<sup>3</sup> **MP** >300 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-598N	10 mg
100 µg/mL in MeOH	P-598S	1 mL

## Dyfonate

O-Ethyl S-phenyl (RS)-ethylphosphonodithioate



Fonofos

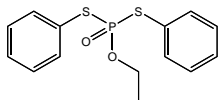
**CAS** 944-22-9 **MF** C<sub>10</sub>H<sub>15</sub>OPS<sub>2</sub> **MW** 246.33 **PS** L  
**SG** 1.16 g/cm<sup>3</sup> **BP** 130 °C (0.1mm Hg) **FP** 179 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-087N	10 mg
100 µg/mL in MeOH	P-087S	1 mL
1000 µg/mL in MeOH	P-087S-10X	1 mL
100 µg/mL in Hexane	P-087S-H	1 mL

# Individual Pesticides

## Edifenphos

O-Ethyl S,S-diphenyl phosphorothioate

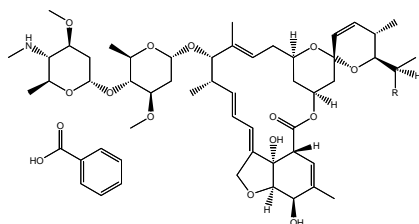


**CAS** 17109-49-8 **MF** C<sub>14</sub>H<sub>15</sub>O<sub>2</sub>PS<sub>2</sub> **MW** 310.38  
**PS L** **SG** 1.27 g/cm<sup>3</sup> **BP** 449 °C **FP** 115 °C  
**SOL** H,D,IPA,T,CN,M

Matrix	Cat. No.	Unit
NEAT	P-368N	10 mg
100 µg/mL in MeOH	P-368S	1 mL
1000 µg/mL in Acetone	P-368S-A-10X	1 mL

## Emamectin-benzoate

(4''R)-4''-Deoxy-4''-(methylamino)avermectin  
 B1 benzoate (1:1)

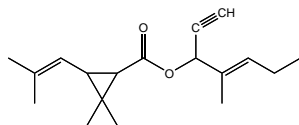


**CAS** 155569-91-8 **MF** C<sub>55</sub>H<sub>79</sub>NO<sub>15</sub> or C<sub>56</sub>H<sub>81</sub>NO<sub>15</sub>  
**MW** 994.21 or 1008.24 **MP** 146-150 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-996N-5MG	5 mg
100 µg/mL in MeOH	P-996S	1 mL

## Empenthrin

(E)-(RS)-1-Ethynyl-2-methylpent-2-enyl  
 (1R,3RS;1R,3SR)-2,2-dimethyl-3-(2-methylpropyl-1-enyl)cyclopropanecarboxylate

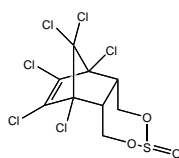


**CAS** 54406-48-3 **MF** C<sub>18</sub>H<sub>26</sub>O<sub>2</sub> **MW** 274.4 **PS L**  
**SG** 0.93 g/cm<sup>3</sup> **BP** 296 °C **SOL** H,A,M

Matrix	Cat. No.	Unit
NEAT	P-708N	10 mg

## Endosulfan I

endo-1,4,5,6,7,7-Hexachloro-5-norbornene-  
 2,3-dimethanol, cyclic sulfite



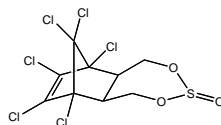
*alpha*-Endosulfan, *alpha*-Thiodan

**CAS** 959-98-8 **MF** C<sub>9</sub>H<sub>6</sub>Cl<sub>6</sub>O<sub>3</sub>S **MW** 406.92 **PS S**  
**SG** 1.8 g/cm<sup>3</sup> **MP** 109.2 °C **BP** 401 °C **FP** 226 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-091N	10 mg
100 µg/mL in MeOH	P-091S	1 mL
1000 µg/mL in MeOH	P-091S-10X	1 mL
1000 µg/mL in Acetone	P-091S-A-10X	1 mL

## Endosulfan II

3-*alpha*,5*a*-*alpha*,6-*beta*,9-*beta*,9*a*-*alpha*-  
 (1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-5-ene-  
 2,3-ylenebismethylene) sulfite



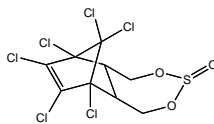
*beta*-Endosulfan, *Thiodan II*

**CAS** 33213-65-9 **MF** C<sub>9</sub>H<sub>6</sub>Cl<sub>6</sub>O<sub>3</sub>S **MW** 406.91 **PS S**  
**SG** 1.8 g/cm<sup>3</sup> **MP** 207-209 °C **BP** 401 °C  
**FP** 226 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-092N	10 mg
100 µg/mL in MeOH	P-092S	1 mL
1000 µg/mL in MeOH	P-092S-10X	1 mL
1000 µg/mL in Acetone	P-092S-A-10X	1 mL

## Endosulfan, mixed isomers

(1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-  
 5-en-2,3-ylenebismethylene)sulfite

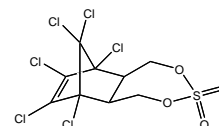


**CAS** 115-29-7 **MF** C<sub>9</sub>H<sub>6</sub>Cl<sub>6</sub>O<sub>3</sub>S **MW** 406.92 **PS S**  
**SG** 1.80 g/cm<sup>3</sup> **MP** 106 °C **SOL** M,A,D,H,T,EA

Matrix	Cat. No.	Unit
NEAT	P-435N	10 mg
100 µg/mL in MeOH	P-435S	1 mL
1000 µg/mL in MeOH	P-435S-10X	1 mL

## Endosulfan sulfate

Hexachloro-hexahydro-methano-  
 benzodioxathiepin-dioxide

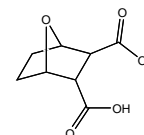


**CAS** 1031-07-8 **MF** C<sub>9</sub>H<sub>6</sub>Cl<sub>6</sub>O<sub>4</sub>S **MW** 422.92 **PS S**  
**SG** 1.94 g/cm<sup>3</sup> **MP** 180 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-145N	10 mg
100 µg/mL in MeOH	P-145S	1 mL
1000 µg/mL in MeOH	P-145S-10X	1 mL
1000 µg/mL in Acetone	P-145S-A-10X	1 mL

## Endothall

7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid



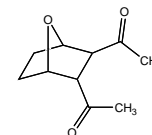
3,6-Endoxohexahydrophthalic acid

**CAS** 145-73-3 **MF** C<sub>8</sub>H<sub>10</sub>O<sub>5</sub> **MW** 186.16 **PS S**  
**SG** 1.43 g/cm<sup>3</sup> **MP** 144 °C **SOL** M,A,CN,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-183N	10 mg
100 µg/mL in MeOH	P-183S	1 mL
1000 µg/mL in MeOH	P-183S-10X	1 mL

## Endothall dimethyl ester

Dimethyl 7-oxabicyclo[2.2.1]heptane-2,3-dicarboxylate



**CAS** N/A **MF** C<sub>10</sub>H<sub>14</sub>O<sub>3</sub> **MW** 182.22 **PS S**  
**MP** 69-70 °C **SOL** M

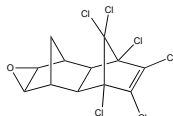
Matrix	Cat. No.	Unit
NEAT	P-603N	10 mg
100 µg/mL in MeOH	P-603S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Endrin

Hexachloroepoxyoctahydro-endo,endo-dimethanonaphthalene



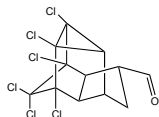
Hexadrin

**CAS** 72-20-8 **MF** C<sub>12</sub>H<sub>8</sub>Cl<sub>6</sub>O **MW** 380.91 **PS** S  
**SG** 1.84 g/cm<sup>3</sup> **MP** 245 °C (decomp.)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-045N	10 mg
100 µg/mL in MeOH	P-045S	1 mL
1000 µg/mL in MeOH	P-045S-10X	1 mL
1000 µg/mL in Acetone	P-045S-A-10X	1 mL

## Endrin aldehyde

(1alpha,2beta,2abeta,4beta,4abeta,5beta,6beta,6bbeta,7R\*)-2,2a,3,3,4,7-Hexachlorodecahydro-1,2,4-methenocyclopenta(cd)pentalene-5-carboxaldehyde

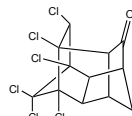


**CAS** 7421-93-4 **MF** C<sub>12</sub>H<sub>8</sub>Cl<sub>6</sub>O **MW** 380.91 **PS** S  
**MP** 155 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-046S	1 mL
1000 µg/mL in MeOH	P-046S-10X	1 mL

## Endrin ketone

Hexachloro-decahydro-metheno-3H-cyclopenta(a)pentalene-3-one



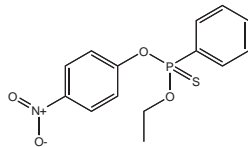
delta-Ketoendrin

**CAS** 53494-70-5 **MF** C<sub>12</sub>H<sub>6</sub>Cl<sub>6</sub>O **MW** 380.91 **PS** S  
**SG** 1.87 g/cm<sup>3</sup> **MP** 285 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-146N	10 mg
100 µg/mL in MeOH	P-146S	1 mL

## EPN

O-Ethyl O-4-nitrophenyl phenylphosphonothioate

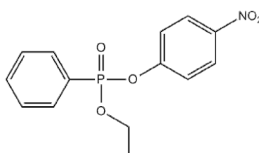


**CAS** 2104-64-5 **MF** C<sub>14</sub>H<sub>14</sub>NO<sub>4</sub>PS **MW** 323.32  
**PS** S **SG** 1.27 g/cm<sup>3</sup> **MP** 35 °C **BP** 215 °C (5mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-220N	10 mg
100 µg/mL in Acetone	P-220S-A	1 mL
1000 µg/mL in Acetone	P-220S-A-10X	1 mL
1000 µg/mL in Hexane	P-220S-H-10X	1 mL

## EPN Oxon

Ethyl 4-nitrophenyl phenylphosphonate

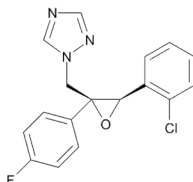


**CAS** 2012-00-2 **MF** C<sub>14</sub>H<sub>14</sub>NO<sub>5</sub>P **MW** 307.24 **PS** S  
**MP** 33 °C **SOL** A

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1345S-A	1 mL

## Epoxiconazole

(2R,3SR)-1-[3-(2-Chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole

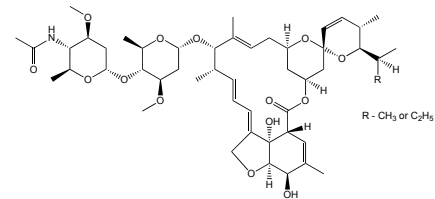


**CAS** 133855-98-8 **MF** C<sub>17</sub>H<sub>13</sub>ClFNO<sub>3</sub> **MW** 329.76  
**PS** S **SG** 1.38 g/cm<sup>3</sup> **MP** 136-137 °C  
**BP** Decomp. 310 °C **FP** >200 °C  
**SOL** EA,A,T,D,CN

Matrix	Cat. No.	Unit
NEAT	P-784N	10 mg
100 µg/mL in MeOH	P-784S	1 mL
1000 µg/mL in MeOH	P-784S-10X	1 mL

## Eprinomectin

(4'R)-4'-(acetylamino)-4"-deoxyavermectin B1

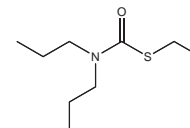


**CAS** 123997-26-2 **MF** C<sub>49</sub>H<sub>73</sub>NO<sub>14</sub> or C<sub>50</sub>H<sub>75</sub>NO<sub>14</sub>  
**MW** 900.10 or 914.13 **PS** S **MP** 180 °C  
**SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-959S-CN	1 mL

## EPTC

S-Ethyl di-N,N-propylthiocarbamate



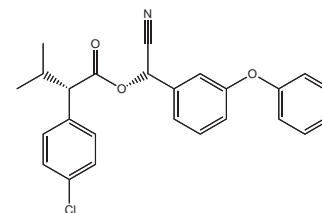
Eptam

**CAS** 759-94-4 **MF** C<sub>9</sub>H<sub>19</sub>NOS **MW** 189.32 **PS** L  
**SG** 0.95 g/cm<sup>3</sup> **FP** 110 °C  
**SOL** M,A,D,H,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-238N	10 mg
100 µg/mL in MeOH	P-238S	1 mL
1000 µg/mL in MeOH	P-238S-10X	1 mL

## Esfenvalerate

4-Chloro-alpha-(1-methylethyl) benzeneacetic acid, (S-(R\*,R\*))-cyano(3-phenoxyphenyl)methyl ester



Asana

**CAS** 66230-04-4 **MF** C<sub>25</sub>H<sub>22</sub>ClNO<sub>3</sub> **MW** 419.9 **PS** S  
**SG** 1.26 g/cm<sup>3</sup> **MP** 59-60 °C  
**SOL** M,A,D,H,CN,TP,EA

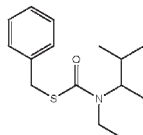
Matrix	Cat. No.	Unit
NEAT	P-525N	10 mg
100 µg/mL in MeOH	P-525S	1 mL



# Individual Pesticides

## Esprocarb

S-Benzyl (RS)-1,2-dimethylpropyl(ethyl)thiocarbamate

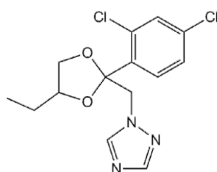


**CAS** 85785-20-2 **MF** C<sub>15</sub>H<sub>23</sub>NOS **MW** 265.42 **PS** L  
**SG** 1.03 g/cm<sup>3</sup> **BP** 135 °C (35mm Hg) **SOL** M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-617S	1 mL
1000 µg/mL in Acetone	P-617S-A-10X	1 mL

## Etaconazole

1-[[2-(2,4-dichlorophenyl)-4-ethyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole

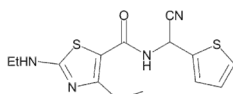


**CAS** 60207-93-4 **MF** C<sub>14</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub> **MW** 328.2 **PS** S  
**SG** 1.40 g/cm<sup>3</sup> **MP** 75 °C **SOL** A,M,CN,W,H,D,T

Matrix	Cat. No.	Unit
NEAT	P-644N	10 mg
100 µg/mL in MeOH	P-644S	1 mL
1000 µg/mL in MeOH	P-644S-10X	1 mL

## Ethaboxam

N-[cyano(thiophen-2-yl)methyl]-4-ethyl-2-(ethylamino)-1,3-thiazole-5-carboxamide

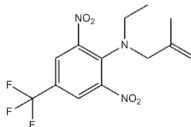


**CAS** 162650-77-3 **MF** C<sub>14</sub>H<sub>16</sub>N<sub>4</sub>OS<sub>2</sub> **MW** 320.4  
**PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 185 °C **BP** Decomp.  
**SOL** CN,A,EA,D,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1115S-CN	1 mL
1000 µg/mL in ACN	P-1115S-CN-10X	1 mL

## Ethalfuralin

N-Ethyl-alpha,alpha,alpha-trifluoro-N-(2-methylallyl)-2,6-dinitro-p-toluidine



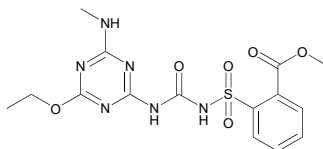
Sonalan

**CAS** 55283-68-6 **MF** C<sub>13</sub>H<sub>14</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub> **MW** 333.26  
**PS** S **MP** 55-56 °C **BP** Decomp. at 256 °C  
**SOL** A,CN,M,D,H

Matrix	Cat. No.	Unit
NEAT	P-269N	10 mg
100 µg/mL in MeOH	P-269S	1 mL
1000 µg/mL in Acetone	P-269S-A-10X	1 mL

## Ethametsulfuron-methyl

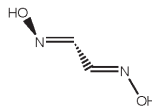
Methyl 2-[(4-ethoxy-6-methylamino-1,3,5-triazin-2-yl)carbamoylsulfamoyl]benzoate



**CAS** 97780-06-8 **MF** C<sub>15</sub>H<sub>18</sub>N<sub>6</sub>O<sub>6</sub>S **MW** 410.41  
**PS** S **SG** 1.60 g/cm<sup>3</sup> **MP** 197 °C **BP** 317 °C  
**SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1098S-CN	1 mL
1000 µg/mL in ACN	P-1098S-CN-10X	1 mL

## Ethanedial dioxime

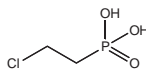


**CAS** 557-30-2 **MF** C<sub>2</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub> **MW** 88.07 **PS** S  
**SG** 1.14 g/cm<sup>3</sup> **MP** 168-171 °C **FP** 188 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1070N	10 mg
100 µg/mL in MeOH	P-1070S	1 mL

## Ethephon

(2-Chloroethyl)phosphonic acid

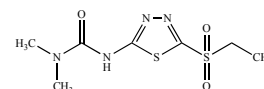


**CAS** 16672-87-0 **MF** C<sub>2</sub>H<sub>6</sub>ClO<sub>3</sub>P **MW** 144.49 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 75 °C **BP** Decomp. 250 °C  
**SOL** M,A,EA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-239N	10 mg
100 µg/mL in MeOH	P-239S	1 mL

## Ethidimuron

1-(5-Ethylsulfonyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea

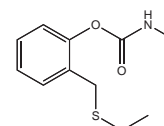


**CAS** 30043-49-3 **MF** C<sub>7</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub>S<sub>2</sub> **MW** 264.35  
**PS** S **SG** 1.44 g/cm<sup>3</sup> **MP** 156 °C **FP** >100 °C  
**SOL** M,A,CN,H,IPA

Matrix	Cat. No.	Unit
NEAT	P-364N	10 mg
100 µg/mL in MeOH	P-364S	1 mL

## Ethiofencarb

alpha-Ethylthio-o-tolyl methylcarbamate



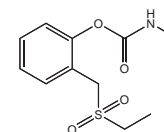
Croneton

**CAS** 29973-13-5 **MF** C<sub>11</sub>H<sub>15</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 225.31  
**PS** S **SG** 1.23 g/cm<sup>3</sup> **MP** 33-34 °C **FP** 123 °C  
**SOL** M,A,T,CN,D,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-448N	10 mg
100 µg/mL in MeOH	P-448S	1 mL
1000 µg/mL in ACN	P-448S-CN-10X	1 mL

## Ethiofencarb sulfone

2-((Ethylsulfonyl)methyl)phenol methylcarbamate



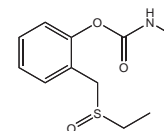
Croneton sulfone

**CAS** 53380-23-7 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>4</sub>S **MW** 257.31  
**PS** S **SG** 1.25 g/cm<sup>3</sup> **MP** 134-135 °C **BP** 449 °C  
**FP** 226 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-824S-CN	1 mL

## Ethiofencarb sulfoxide

2-((Ethylsulfinyl)methyl)phenol methylcarbamate



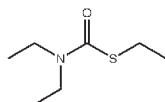
**CAS** 53380-22-6 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>3</sub>S **MW** 241.31  
**SG** 1.24 g/cm<sup>3</sup> **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-825S-CN	1 mL

# Individual Pesticides

## Ethiolat

S-Ethyl diethylcarbamothioate

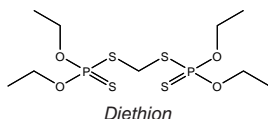


**CAS** 2941-55-1 **MF** C<sub>7</sub>H<sub>13</sub>NOS **MW** 161.27 **PS** L  
**SG** 0.97 g/cm<sup>3</sup> **BP** 142-145 °C (86mm Hg)  
**SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-785N	10 mg
100 µg/mL in ACN	P-785S-CN	1 mL

## Ethion

O,O,O',O'-Tetraethyl S,S'-methylene bis(phosphorodithioate)



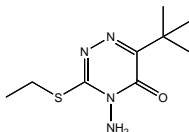
Diethion

**CAS** 563-12-2 **MF** C<sub>9</sub>H<sub>22</sub>O<sub>4</sub>P<sub>2</sub>S<sub>4</sub> **MW** 384.48 **PS** L  
**SG** 1.22 g/cm<sup>3</sup> **BP** 164-165 °C (0.3mm Hg)  
**FP** 176 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-048N	10 mg
100 µg/mL in MeOH	P-048S	1 mL
1000 µg/mL in Acetone	P-048S-A-10X	1 mL
1000 µg/mL in Hexane	P-048S-H-10X	1 mL

## Ethiozin

4-Amino-6-(1,1-dimethylethyl)-3-(ethylthio)-1,2,4-triazine-5(4H)-one

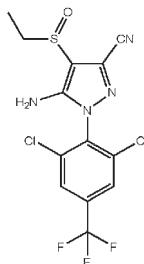


**CAS** 64529-56-2 **MF** C<sub>9</sub>H<sub>16</sub>N<sub>4</sub>OS **MW** 228.35 **PS** S  
**SG** 1.27 g/cm<sup>3</sup> **MP** 96-98 °C **SOL** D,IPA,T,M

Matrix	Cat. No.	Unit
NEAT	P-660N	10 mg
100 µg/mL in MeOH	P-660S	1 mL

## Ethiprole

5-Amino-1-(2,6-dichloro-a,a,a-trifluoro-p-tolyl)-4-ethylsulfinylpyrazole-3-carbonitrile

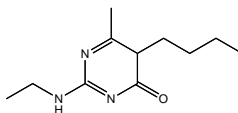


**CAS** 181587-01-9 **MF** C<sub>13</sub>H<sub>9</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>4</sub>OS **MW** 397.20  
**PS** S **SG** 1.54 g/cm<sup>3</sup> **SOL** CN

Matrix	Cat. No.	Unit
Neat	P-964N	10 mg
100 µg/mL in ACN	P-964S-CN	1 mL

## Ethirimol

5-Butyl-2-ethylamino-6-methylpyrimidin-4-ol

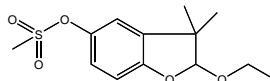


**CAS** 23947-60-6 **MF** C<sub>11</sub>H<sub>19</sub>N<sub>3</sub>O **MW** 209.33  
**PS** S **SG** 1.21 g/cm<sup>3</sup> **MP** 159-160 °C **BP** Decomp.  
**SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-645N	10 mg
100 µg/mL in MeOH	P-645S	1 mL

## Ethofumesate

(±)-2-Ethoxy-2,3-dihydro-3,3-dimethylbenzofuran-5-yl methanesulfonate

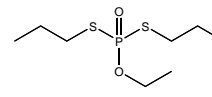


**CAS** 26225-79-6 **MF** C<sub>13</sub>H<sub>18</sub>O<sub>5</sub>S **MW** 286.35 **PS** S  
**SG** 1.3 g/cm<sup>3</sup> **MP** 70-72 °C **BP** Decomp.  
**SOL** M,A,D,CN,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-387N	10 mg
100 µg/mL in MeOH	P-387S	1 mL
1000 µg/mL in MeOH	P-387S-10X	1 mL

## Ethoprop

O-Ethyl S,S-dipropyl phosphorodithioate



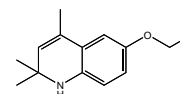
Mocap, Prophas

**CAS** 13194-48-4 **MF** C<sub>8</sub>H<sub>19</sub>O<sub>2</sub>PS<sub>2</sub> **MW** 242.34 **PS** L  
**SG** 1.09 g/cm<sup>3</sup> **BP** 296-303 °C **FP** >100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-129N	10 mg
100 µg/mL in MeOH	P-129S	1 mL
1000 µg/mL in Acetone	P-129S-A-10X	1 mL
1000 µg/mL in Hexane	P-129S-H-10X	1 mL

## Ethoxyquin

1,2-Dihydro-6-ethoxy-2,2,4-trimethyl quinoline

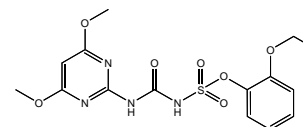


**CAS** 91-53-2 **MF** C<sub>14</sub>H<sub>19</sub>NO **MW** 217.34 **PS** L  
**SG** 1.03 g/cm<sup>3</sup> **BP** 296-298 °C **SOL** M,A,EA,T,CN

Matrix	Cat. No.	Unit
NEAT	P-388N	10 mg
100 µg/mL in ACN	P-388S-CN	1 mL

## Ethoxysulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-(2-ethoxyphenoxy)sulfonylurea

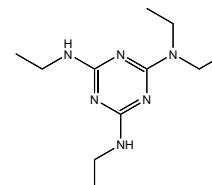


**CAS** 126801-58-9 **MF** C<sub>15</sub>H<sub>18</sub>N<sub>4</sub>O<sub>7</sub>S **MW** 398.39  
**PS** S **SG** 1.44 g/cm<sup>3</sup> **MP** 150 °C  
**SOL** H,T,A,M,CN,D,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-847N	10 mg

## 2,4-bis(Ethylamino)-6-diethylamino-s-triazine

2,4-bis(Ethylamino)-6-diethylamino-1,3,5-triazine

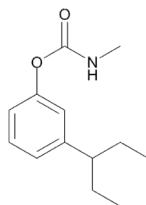


**CAS** N/A **MF** C<sub>11</sub>H<sub>22</sub>N<sub>6</sub> **MW** 238.33 **PS** L **SOL** MC

Matrix	Cat. No.	Unit
NEAT	P-536N	10 mg
100 µg/mL in MC	P-536S-MC	1 mL

# Individual Pesticides

## 3-(1-Ethylpropyl)phenyl methylcarbamate

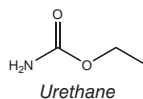


CAS 672-04-8 MF C<sub>13</sub>H<sub>19</sub>NO<sub>2</sub> MW 221.29 PS S  
SG 1.02 g/cm<sup>3</sup> MP 66-68 °C SOL CN,D,EA,H,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1477S-CN	1 mL

## Ethyl carbamate

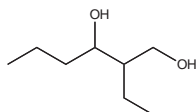
Carbamic acid, ethyl ester



CAS 51-79-6 MF C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub> MW 89.11 PS S  
SG 0.99 g/cm<sup>3</sup> MP 48-50 °C BP 182-184 °C  
FP 92 °C SOL M,D

Matrix	Cat. No.	Unit
NEAT	P-419N	10 mg
100 µg/mL in MeOH	P-419S	1 mL

## Ethyl hexanediol (mixed isomers)

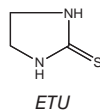


CAS 94-96-2 MF C<sub>9</sub>H<sub>18</sub>O<sub>2</sub> MW 146.26 PS L  
SG 0.93 g/cm<sup>3</sup> BP 244.2 °C FP 127 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-389N	10 mg
100 µg/mL in MeOH	P-389S	1 mL

## Ethylene thiourea

2-Imidazolidinethione

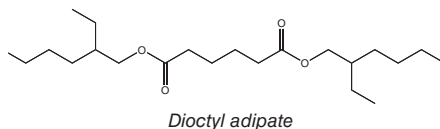


CAS 96-45-7 MF C<sub>3</sub>H<sub>6</sub>N<sub>2</sub>S MW 102.16 PS S  
SG 1.42 g/cm<sup>3</sup> MP 196-200 °C BP 347 °C FP 252 °C  
SOL M,H,EA

Matrix	Cat. No.	Unit
NEAT	P-588N	10 mg
100 µg/mL in MeOH	P-588S	1 mL

## bis(2-Ethylhexyl)adipate

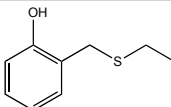
Di(2-ethylhexyl)adipate



CAS 103-23-1 MF C<sub>22</sub>H<sub>42</sub>O<sub>4</sub> MW 370.57 PS L  
SG 0.92 g/cm<sup>3</sup> BP 175 °C (2mm Hg) FP 196 °C  
SOL M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-233N	10 mg
100 µg/mL in MeOH	P-233S	1 mL
1000 µg/mL in MeOH	P-233S-10X	1 mL

## 2-Ethylthiomethyl phenol

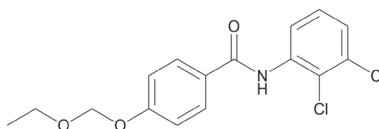


CAS N/A MF C<sub>9</sub>H<sub>12</sub>OS MW 168.26 SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-423S	1 mL
1000 µg/mL in MeOH	P-423S-10X	1 mL

## Etobenzanid

2',3'-Dichloro-4-ethoxymethoxybenzanilide

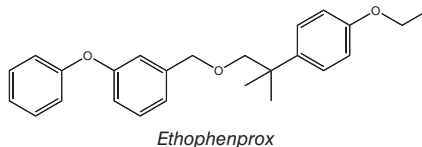


CAS 79540-50-4 MF C<sub>16</sub>H<sub>15</sub>Cl<sub>2</sub>NO<sub>3</sub> MW 340.20  
PS S MP 92-93 °C SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1136S-CN	1 mL

## Etofenprox

2-(4-Ethoxyphenyl)-2-methylpropyl  
3-phenoxybenzyl ether

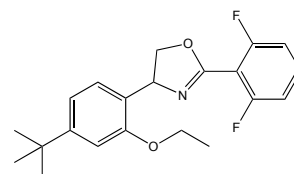


CAS 80844-07-1 MF C<sub>25</sub>H<sub>28</sub>O<sub>3</sub> MW 376.49 PS S  
SG 1.17 g/cm<sup>3</sup> MP 37 °C BP 200 °C (decomp.)  
SOL EA,A,M,CN,T,H,D

Matrix	Cat. No.	Unit
NEAT	P-848N	10 mg
100 µg/mL in ACN	P-848S-CN	1 mL
1000 µg/mL in ACN	P-848S-CN-10X	1 mL

## Etoazole

2-(2,6-Difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole

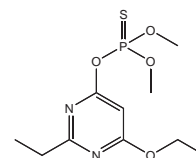


CAS 153233-91-1 MF C<sub>21</sub>H<sub>23</sub>F<sub>2</sub>NO<sub>2</sub> MW 359.41  
PS S SG 1.24 g/cm<sup>3</sup> MP 102 °C FP 457 °C  
SOL M,A,CN,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-991S	1 mL
1000 µg/mL in Acetone	P-991S-A-10X	1 mL

## Etrifos

O-6-Ethoxy-2-ethylpyrimidin-4-yl  
O,O-dimethyl phosphorothioate

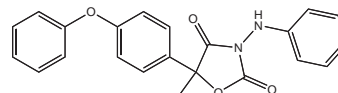


CAS 38260-54-7 MF C<sub>10</sub>H<sub>17</sub>N<sub>2</sub>O<sub>4</sub>PS MW 292.29  
PS L SG 1.20 g/cm<sup>3</sup> FP >100 °C SOL M,A,D,T,CN

Matrix	Cat. No.	Unit
NEAT	P-480N	10 mg
100 µg/mL in MeOH	P-480S	1 mL
1000 µg/mL in ACN	P-480S-CN-10X	1 mL

## Famoxadon

3-Anilino-5-methyl-5-(4-phenoxyphenyl)-  
1,3-oxazolidine-2,4-dione



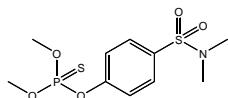
CAS 131807-57-3 MF C<sub>22</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub> MW 374.39 PS S  
SG 1.31 g/cm<sup>3</sup> MP 142 °C SOL A,T,H,EA,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-849S-CN	1 mL
1000 µg/mL in ACN	P-849S-CN-10X	1 mL

# Individual Pesticides

## Famphur

O-4-Dimethylsulfamoylphenyl  
O,O-dimethyl phosphorothioate



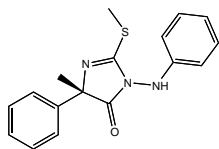
Famophos

**CAS** 52-85-7 **MF** C<sub>10</sub>H<sub>16</sub>NO<sub>5</sub>PS<sub>2</sub> **MW** 325.36 **PS** S  
**SG** 1.18 g/cm<sup>3</sup> **MP** 52.5-53.5 °C **FP** >100 °C  
**SOL** M,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-147N	10 mg
100 µg/mL in MeOH	P-147S	1 mL

## Fenamidone

(S)-1-Anilino-4-methyl-2-methylthio-4-phenyl-  
2-imidazolin-5-one

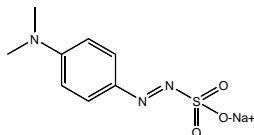


**CAS** 161326-34-7 **MF** C<sub>17</sub>H<sub>17</sub>N<sub>3</sub>OS **MW** 311.4  
**PS** S **SG** 1.29 g/cm<sup>3</sup> **MP** 137 °C **BP** Decomp.  
240 °C **SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-850N	10 mg
100 µg/mL in ACN	P-850S-CN	1 mL
1000 µg/mL in ACN	P-850S-CN-10X	1 mL

## Fenamiosulf

Sodium 4-dimethylaminobenzenediazosulfonate



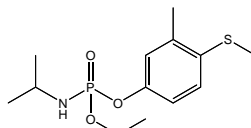
Dexon, Lesan

**CAS** 140-56-7 **MF** C<sub>8</sub>H<sub>10</sub>N<sub>3</sub>O<sub>3</sub>SNa **MW** 251.26  
**PS** S **MP** Decomp. 200 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-058N	10 mg

## Fenamiphos

Ethyl 4-methylthio-m-tolyl isopropylphosphoramidate



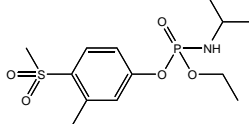
Phenamiphos

**CAS** 22224-92-6 **MF** C<sub>13</sub>H<sub>22</sub>NO<sub>3</sub>PS **MW** 303.36  
**PS** S **SG** 1.19 g/cm<sup>3</sup> **MP** 46 °C  
**SOL** M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-114N	10 mg
100 µg/mL in MeOH	P-114S	1 mL
100 µg/mL in Acetone	P-114S-A-10X	1 mL

## Fenamiphos sulfone

Ethyl 3-methyl-4-(methylsulfonyl)phenyl isopropyl-  
phosphoramidate

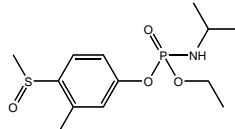


**CAS** 31972-44-8 **MF** C<sub>13</sub>H<sub>22</sub>NO<sub>3</sub>PS **MW** 335.36  
**PS** S **SG** 1.21 g/cm<sup>3</sup> **FP** >80 °C **SOL** M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-623N	10 mg
100 µg/mL in MeOH	P-623S	1 mL

## Fenamiphos sulfoxide

Ethyl 3-methyl-4-(methylsulfinyl)phenyl isopropyl-  
phosphoramidate

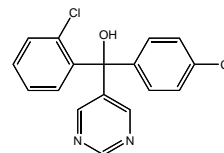


**CAS** 31972-43-7 **MF** C<sub>13</sub>H<sub>22</sub>NO<sub>3</sub>PS **MW** 319.36  
**PS** S **SG** 1.22 g/cm<sup>3</sup> **MP** 65-67 °C **FP** >65 °C  
**SOL** M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-622N	10 mg
100 µg/mL in MeOH	P-622S	1 mL

## Fenarimol

2,4'-Dichloro-alpha-(pyrimidine-5-yl)  
benzhydrylalcohol



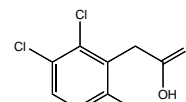
Bloc

**CAS** 60168-88-9 **MF** C<sub>17</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 331.2  
**PS** S **SG** 1.40 g/cm<sup>3</sup> **MP** 117-119 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-086N	10 mg
100 µg/mL in MeOH	P-086S	1 mL
1000 µg/mL in Acetone	P-086S-A-10X	1 mL

## Fenatrol

2,3,6-Trichlorophenylacetic acid



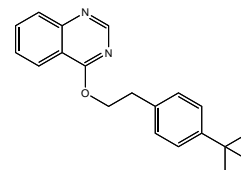
Chlorfenac, Fenac

**CAS** 85-34-7 **MF** C<sub>8</sub>H<sub>5</sub>Cl<sub>3</sub>O<sub>2</sub> **MW** 239.48 **PS** S  
**MP** 156 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-319N	10 mg
100 µg/mL in MeOH	P-319S ▲	1 mL

## Fenazaquin

4-tert-Butylphenethyl quinazolin-4-yl ether



**CAS** 120928-09-8 **MF** C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>O **MW** 306.4  
**SG** 1.16 g/cm<sup>3</sup> **MP** 78-80 °C **SOL** M,A,H,CN,T,D,IPA

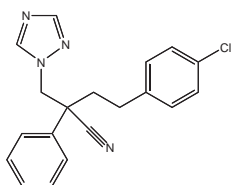
Matrix	Cat. No.	Unit
NEAT	P-787N	10 mg
100 µg/mL in Hexane	P-787S-H	1 mL
1000 µg/mL in Acetone	P-787S-A-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Fenbuconazole

4-(4-Chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile



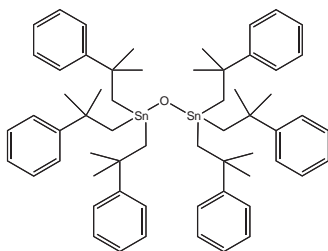
Indar

CAS 114369-43-6 MF C<sub>19</sub>H<sub>17</sub>ClN<sub>3</sub> MW 336.85  
PS S SG 1.28 g/cm<sup>3</sup> MP 124-126 °C  
SOL M,A,D,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-662N	10 mg
100 µg/mL in MeOH	P-662S	1 mL
1000 µg/mL in Acetone	P-662S-A-10X	1 mL

## Fenbutatin oxide

hexakis(2-Methyl-2-phenylpropyl)distannoxane



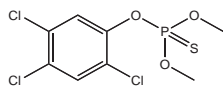
Vendex

CAS 13356-08-6 MF C<sub>60</sub>H<sub>78</sub>OSn<sub>2</sub> MW 1052.68  
PS S SG 1.31 g/cm<sup>3</sup> MP 138-139 °C  
BP 235-240 °C (0.05mm Hg)  
SOL H,T,A,D,M,CN,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-481N	10 mg
100 µg/mL in Acetone	P-481S-A	1 mL

## Fenchlorphos

O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate



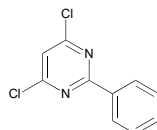
Ronnel

CAS 299-84-3 MF C<sub>8</sub>H<sub>6</sub>Cl<sub>3</sub>O<sub>3</sub>PS MW 321.55 PS S  
SG 1.49 g/cm<sup>3</sup> MP 38-40 °C BP Decomp.  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-080N	10 mg
100 µg/mL in MeOH	P-080S	1 mL
1000 µg/mL in MeOH	P-080S-10X	1 mL
1000 µg/mL in Hexane	P-080S-H-10X	1 mL

## Fenclorim

4,6-Dichloro-2-phenylpyrimidine

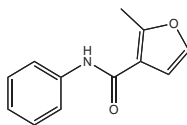


CAS 3740-92-9 MF C<sub>10</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>2</sub> MW 225.07 PS S  
SG 1.5 g/cm<sup>3</sup> MP 97 °C BP decomp. 400 °C SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1293S	1 mL
1000 µg/mL in MeOH	P-1293S-10X	1 mL

## Fenfuram

2-Methylfuran-3-carboxanilide



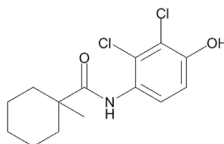
Pano-ram

CAS 24691-80-3 MF C<sub>12</sub>H<sub>11</sub>NO<sub>2</sub> MW 201.22 PS S  
MP 109-110 °C SOL A,M

Matrix	Cat. No.	Unit
NEAT	P-896N	10 mg
100 µg/mL in MeOH	P-896S	1 mL
1000 µg/mL in MeOH	P-896S-10X	1 mL

## Fenhexamid

N-(2,3-Dichloro-4-hydroxyphenyl)-1-methylcyclohexanecarboxamide

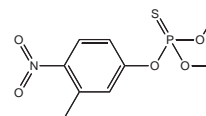


CAS 126833-17-8 MF C<sub>14</sub>H<sub>17</sub>Cl<sub>2</sub>NO<sub>2</sub> MW 302.2  
PS S SG 1.34 g/cm<sup>3</sup> MP 153 °C  
SOL A,D,H,T,M,CN,IPA

Matrix	Cat. No.	Unit
NEAT	P-783N	10 mg
100 µg/mL in MeOH	P-783S	1 mL
1000 µg/mL in ACN	P-783S-CN-10X	1 mL

## Fenitrothion

O,O-Dimethyl O-4-nitro-m-tolyl phosphorothioate



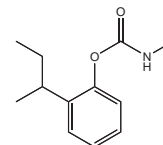
MEP

CAS 122-14-5 MF C<sub>9</sub>H<sub>12</sub>NO<sub>5</sub>PS MW 277.24 PS L  
SG 1.33 g/cm<sup>3</sup> BP 140-145 °C (0.1mm Hg)  
FP 188 °C SOL M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-259N	10 mg
100 µg/mL in MeOH	P-259S	1 mL
1000 µg/mL in Acetone	P-259S-A-10X	1 mL

## Fenobucarb

2-sec-Butylphenyl methylcarbamate



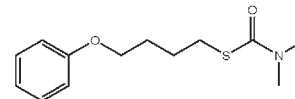
Baycarb, BPMC

CAS 3766-81-2 MF C<sub>12</sub>H<sub>17</sub>NO<sub>2</sub> MW 207.3 PS L,S  
SG 1.02 g/cm<sup>3</sup> MP 32 °C BP Decomp. FP 142 °C  
SOL A,T,D,EA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-347N	10 mg
100 µg/mL in MeOH	P-347S	1 mL
1000 µg/mL in ACN	P-347S-CN-10X	1 mL

## Fenothiocarb

S-(4-Phenoxybutyl) dimethylcarbamothioate



CAS 62850-32-2 MF C<sub>13</sub>H<sub>19</sub>NO<sub>2</sub>S MW 253.36  
PS S SG 1.21 g/cm<sup>3</sup> MP 39-40 °C BP 444 °C  
SOL CN,A,M,H,T,EA,D

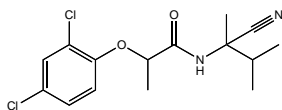
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1021S	1 mL
50 µg/mL in MeOH	P-1021S-0.5X	1 mL
1000 µg/mL in Acetone	P-1021S-A-10X	1 mL



# Individual Pesticides

## Fenoxanil

N-(1-Cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propanamide

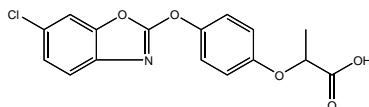


**CAS** 115852-48-7 **MF** C<sub>15</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub> **MW** 329.22 **PS** S **SG** 1.22 g/cm<sup>3</sup> **MP** 71 °C  
**BP** Decomp. 420 °C **FP** 420 °C **SOL** M,A,W

Matrix	Cat. No.	Unit
NEAT	P-997N	10 mg
100 µg/mL in MeOH	P-997S	1 mL
1000 µg/mL in Acetone	P-997S-A-10X	1 mL

## Fenoxaprop

2-[4-[(6-Chloro-2-benzoxazolyl)oxy]phenoxy] propanoic acid

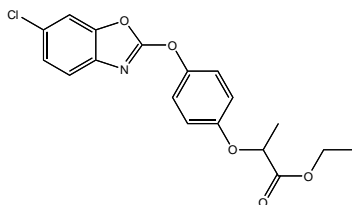


**CAS** 95617-09-7 **MF** C<sub>16</sub>H<sub>12</sub>ClNO<sub>5</sub> **MW** 333.72 **PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 166 °C **SOL** A

Matrix	Cat. No.	Unit
NEAT	P-884N	10 mg
100 µg/mL in ACN	P-884S-CN	1 mL

## Fenoxaprop-ethyl

Ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy] propanoate

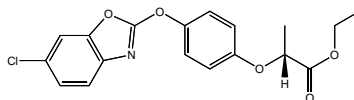


**CAS** 66441-23-4 **MF** C<sub>18</sub>H<sub>16</sub>ClNO<sub>5</sub> **MW** 361.8 **PS** S **SG** 1.30 g/cm<sup>3</sup> **MP** 84-85 °C  
**SOL** M,A,T,CN,TP,EA,H

Matrix	Cat. No.	Unit
NEAT	P-365N	10 mg
100 µg/mL in MeOH	P-365S	1 mL
1000 µg/mL in ACN	P-365S-CN-10X	1 mL

## Fenoxaprop-p-ethyl

(R)-2-[4-[(6-chloro-1,3-benzoxazolyl)oxy]phenoxy] propanoate ethyl

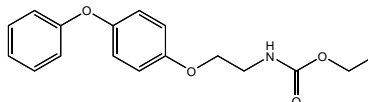


**CAS** 71283-80-2 **MF** C<sub>18</sub>H<sub>16</sub>ClNO<sub>5</sub> **MW** 361.78 **PS** S **SG** 1.31 g/cm<sup>3</sup> **MP** 89-91 °C **BP** 478 °C  
**FP** 242 °C **SOL** H,A,M,EA,CN,T

Matrix	Cat. No.	Unit
NEAT	P-694N	10 mg
100 µg/mL in MeOH	P-694S	1 mL

## Fenoxycarb

Ethyl 2-(4-phenoxyphenoxy)ethylcarbamate

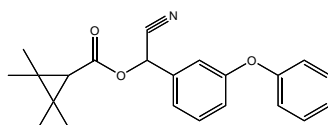


**CAS** 72940-01-8 **MF** C<sub>17</sub>H<sub>19</sub>NO<sub>4</sub> **MW** 301.37 **PS** S **SG** 1.23 g/cm<sup>3</sup> **MP** 53 °C **FP** 224 °C  
**SOL** M,CN,A,T

Matrix	Cat. No.	Unit
NEAT	P-686N	10 mg
100 µg/mL in MeOH	P-686S	1 mL
1000 µg/mL in ACN	P-686S-CN-10X	1 mL

## Fenproprathrin

(RS)-alpha-Cyano-3-phenoxybenzyl 2,2,3,3-tetramethylcyclopropanecarboxylate



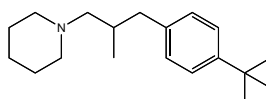
*Danitol, Meothrin*

**CAS** 39515-41-8 **MF** C<sub>22</sub>H<sub>23</sub>NO<sub>3</sub> **MW** 349.42 **PS** S **SG** 1.15 g/cm<sup>3</sup> **MP** 45-50 °C **FP** 204 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-263N	10 mg
100 µg/mL in MeOH	P-263S	1 mL
1000 µg/mL in MeOH	P-263S-10X	1 mL
1000 µg/mL in Acetone	P-263S-A-10X	1 mL

## Fenpropidin

1-(3-(4-tert-Butylphenyl)-2-methylpropyl)piperidine

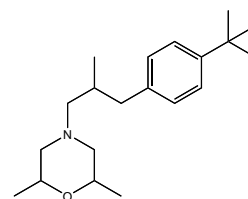


**CAS** 67306-00-7 **MF** C<sub>19</sub>H<sub>31</sub>N **MW** 273.46 **PS** L **SG** 0.91 g/cm<sup>3</sup> **BP** 100 °C (0.004mm Hg)  
**FP** 156 °C **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-802N	10 mg
100 µg/mL in MeOH	P-802S	1 mL

## Fenpropimorph

cis-4-[3-(4-tert-Butylphenyl)-2-methylpropyl]-2,6-dimethylmorpholine

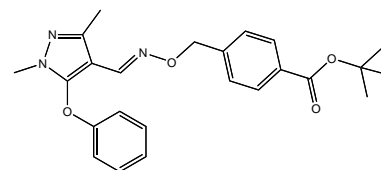


**CAS** 67564-91-4 **MF** C<sub>20</sub>H<sub>33</sub>NO **MW** 303.54 **PS** L **SG** 0.93 g/cm<sup>3</sup> **BP** Decomp. 310 °C **FP** 105 °C  
**SOL** A,T,EA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-705N	10 mg
100 µg/mL in MeOH	P-705S	1 mL

## Fenpyroximate

tert-Butyl(E)-alpha-(1,3-dimethyl-5-phenoxy-pyrazol-4-ylmethyleneamino-oxy)-p-toluolate

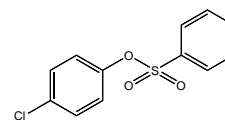


**CAS** 111812-58-9 **MF** C<sub>24</sub>H<sub>27</sub>N<sub>3</sub>O<sub>3</sub> **MW** 421.49 **PS** S **SG** 1.25 g/cm<sup>3</sup> **MP** 102 °C **FP** 85 °C  
**SOL** M,A,CN,EA,H,T

Matrix	Cat. No.	Unit
NEAT	P-724N	10 mg
100 µg/mL in MeOH	P-724S	1 mL
1000 µg/mL in ACN	P-724S-CN-10X	1 mL

## Fenson

4-Chlorophenyl benzenesulfonate



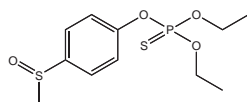
**CAS** 80-38-6 **MF** C<sub>12</sub>H<sub>9</sub>ClO<sub>3</sub>S **MW** 268.72 **PS** S **SG** 1.38 g/cm<sup>3</sup> **MP** 59-61 °C **BP** Decomp.  
**FP** >100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-551N	10 mg
100 µg/mL in MeOH	P-551S	1 mL
1000 µg/mL in MeOH	P-551S-10X	1 mL

# Individual Pesticides

## Fensulfothion

O,O-Diethyl O-(4-(methylsulfonyl)phenyl) phosphorothioate



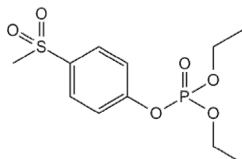
Dasanit

CAS 115-90-2 MF C<sub>11</sub>H<sub>17</sub>O<sub>4</sub>PS<sub>2</sub> MW 308.36 PS L  
SG 1.20 g/cm<sup>3</sup> BP 140 °C SOL M,A,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-235N	10 mg
100 µg/mL in MeOH	P-235S	1 mL
1000 µg/mL in Hexane: Acetone (95:05)	P-235S-H-10X	1 mL

## Fensulfothion oxon sulfone

Diethyl 4-(Methylsulfonyl)phenyl Ester Phosphoric Acid

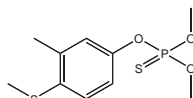


CAS 6132-17-8 MF C<sub>11</sub>H<sub>17</sub>O<sub>6</sub>PS MW 308.29 PS S  
MP 40 °C SOL M,CN,D,EA

Matrix	Cat. No.	Unit
NEAT	P-1309N	10 mg

## Fenthion

O,O-Dimethyl O-4-methylthio-m-tolyl phosphorothioate



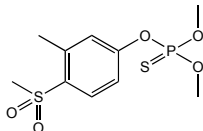
Baytex, Entex, Mercaptophos

CAS 55-38-9 MF C<sub>10</sub>H<sub>15</sub>O<sub>3</sub>PS<sub>2</sub> MW 278.33 PS L  
SG 1.25 g/cm<sup>3</sup> BP 87°C (1.4 Pa) FP >100 °C  
SOL M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-148N	10 mg
100 µg/mL in MeOH	P-148S	1 mL
1000 µg/mL in MeOH	P-148S-10X	1 mL
1000 µg/mL in Acetone	P-148S-A-10X	1 mL
1000 µg/mL in Hexane	P-148S-H-10X	1 mL

## Fenthion sulfone

O,O-Dimethyl O-(4-(methylsulfonyl)-m-tolyl) phosphorothioate

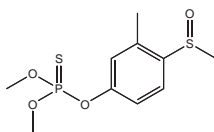


CAS 3761-42-0 MF C<sub>10</sub>H<sub>15</sub>O<sub>5</sub>PS<sub>2</sub> MW 310.33 PS S  
SG 1.35 g/cm<sup>3</sup> MP 78 °C BP >348 °C  
SOL M,T,TP,CN

Matrix	Cat. No.	Unit
NEAT	P-953N	10 mg
100 µg/mL in ACN	P-953S-CN	1 mL

## Fenthion sulfoxide

O,O-Dimethyl O-(4-methylthio-m-tolyl) phosphorothioate

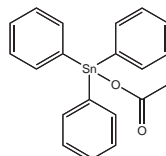


CAS 3761-41-9 MF C<sub>10</sub>H<sub>15</sub>O<sub>4</sub>PS<sub>2</sub> MW 294.33  
PS S SG 1.32 g/cm<sup>3</sup> MP 55-59 °C  
SOL M,D,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-1052N	10 mg
100 µg/mL in CH <sub>2</sub> Cl <sub>2</sub>	P-1052S-D	1 mL

## Fentin acetate

Acetoxytriphenylstannane



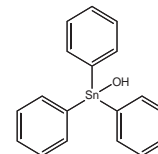
Batasan

CAS 900-95-8 MF C<sub>20</sub>H<sub>18</sub>O<sub>2</sub>Sn MW 409.07 PS S  
SG 1.55 g/cm<sup>3</sup> MP 121-123°C FP 185 °C  
SOL D,EA,H,M,T

Matrix	Cat. No.	Unit
NEAT	P-680N	10 mg
100 µg/mL in MeOH	P-680S	1 mL

## Fentin hydroxide

Triphenylstannyl hydroxide

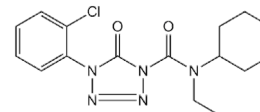


CAS 76-87-9 MF C<sub>18</sub>H<sub>16</sub>OSn MW 367.03 PS S  
SG 1.54 g/cm<sup>3</sup> MP 118-120 °C FP 174 °C  
SOL CN,A,IPA

Matrix	Cat. No.	Unit
NEAT	P-1042N	10 mg
100 µg/mL in ACN	P-1042S-CN	1 mL

## Fentrazamide

4-(2-chlorophenyl)-N-cyclohexyl-N-ethyl-4,5-dihydro-5-oxo-1H-tetrazole-1-carboxamide

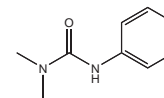


CAS 158237-07-1 MF C<sub>16</sub>H<sub>20</sub>ClN<sub>5</sub>O<sub>2</sub> MW 349.82  
PS S SG 1.30 g/cm<sup>3</sup> MP 79 °C SOL CN,D

Matrix	Cat. No.	Unit
1000 µg/mL in ACN	P-925S-CN-10X	1 mL

## Fenuron

1,1-Dimethyl-3-phenylurea



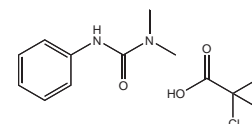
Dybar

CAS 101-42-8 MF C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O MW 164.2 PS S  
SG 1.10 g/cm<sup>3</sup> MP 133-134 °C SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-004N	10 mg
100 µg/mL in MeOH	P-004S	1 mL

## Fenuron TCA

1,1-Dimethyl-3-phenyluronium trichloroacetate



Fenuron trichloroacetate

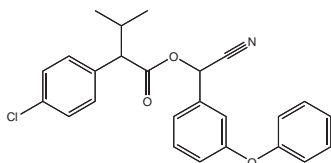
CAS 4482-55-7 MF C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O•C<sub>2</sub>HCl<sub>3</sub>O<sub>2</sub>  
MW 327.59 PS S MP 65-68 °C SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-006N	10 mg
100 µg/mL in MeOH	P-006S	1 mL

# Individual Pesticides

## Fenvalerate

(RS)-alpha-Cyano-3-phenoxybenzyl (RS)-2-(4-chlorophenyl)-3-methylbutyrate



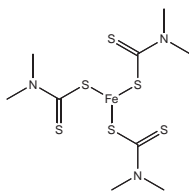
Belmark, Pydrin

CAS 51630-58-1 MF C<sub>25</sub>H<sub>22</sub>ClNO<sub>3</sub> MW 419.9 PS L  
SG 1.18 g/cm<sup>3</sup> FP 230 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-194N	10 mg
100 µg/mL in MeOH	P-194S	1 mL
1000 µg/mL in Acetone	P-194S-A-10X	1 mL

## Ferbam

Iron (III) dimethyldithiocarbamate

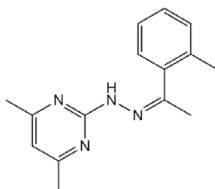


CAS 14484-64-1 MF C<sub>9</sub>H<sub>18</sub>N<sub>3</sub>S<sub>6</sub>Fe MW 416.5  
PS S SG 0.60 g/cm<sup>3</sup> MP 180 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-110N	10 mg

## Ferimzone

4,6-Dimethyl-N-[(Z)-1-(2-methylphenyl)ethylideneamino]pyrimidin-2-amine

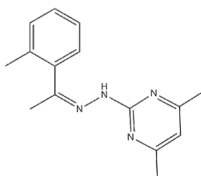


CAS 89269-64-7 MF C<sub>15</sub>H<sub>18</sub>N<sub>4</sub> MW 254.33 PS S  
SG 1.19 g/cm<sup>3</sup> MP 174-178 °C SOL A,CN

Matrix	Cat. No.	Unit
1000 µg/mL in ACN	P-978S-CN-10X	1 mL

## (E)-Ferimzone

4,6-Dimethyl-N-[(E)-1-(2-methylphenyl)ethylideneamino]pyrimidin-2-amine

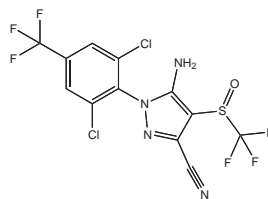


CAS 77359-18-3 MF C<sub>15</sub>H<sub>18</sub>N<sub>4</sub> MW 254.33 PS S  
MP 109-113 °C SOL A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1453S-CN	1 mL

## Fipronil

(±)-5-Amino-1-(2,6-dichloro-α,α,α-trifluoro-p-tolyl)-4-trifluoromethylsulfinyl pyrazole-3-carbonitrile

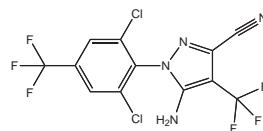


CAS 120068-37-3 MF C<sub>12</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>S MW 437.16  
PS S SG 1.71 g/cm<sup>3</sup> MP 196-202 °C BP Decomp.  
230 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-738N	10 mg
100 µg/mL in MeOH	P-738S	1 mL
100 µg/mL in Acetone	P-738S-A	1 mL
1000 µg/mL in Acetone	P-738S-A-10X	1 mL

## Fipronil desulfanyl

1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethyl)-



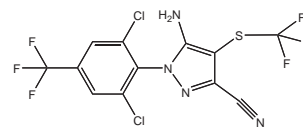
Desulfanyl fipronil

CAS 205650-65-3 MF C<sub>12</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>4</sub> MW 389.08  
MP 189-190 °C SOL A,D,CN

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-782S-A	1 mL

## Fipronil sulfide

5-Amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-4-(trifluoromethyl)thiopyrazole-3-carbonitrile

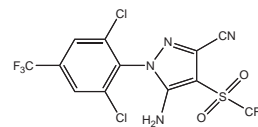


CAS 120067-83-6 MF C<sub>12</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>4</sub>S MW 421.15  
PS S MP 169-171 °C SOL A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-781N-5MG	5 mg
100 µg/mL in Acetone	P-781S-A	1 mL

## Fipronil sulfone

5-Amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-((trifluoromethyl)sulfonyl)-1H-pyrazole-3-carbonitrile

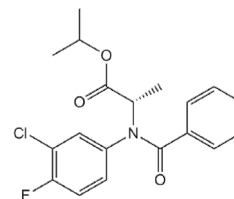


CAS 120068-36-2 MF C<sub>12</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub>S PS S  
MW 453.15 MP 214-216 °C SOL A,D,CN

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-780S-A	1 mL
1000 µg/mL in ACN	P-780S-CN-10X	1 mL

## Flamprop-isopropyl

Isopropyl-N-benzoyl-N-(3-chloro-4-fluorophenyl)-DL-alanine



Barnon

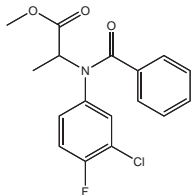
CAS 52756-22-6 MF C<sub>19</sub>H<sub>19</sub>ClFNO<sub>3</sub> MW 363.84  
PS S SG 1.31 g/cm<sup>3</sup> FP >100 °C SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-646N	10 mg
100 µg/mL in MeOH	P-646S	1 mL
1000 µg/mL in MeOH	P-646S-10X	1 mL

# Individual Pesticides

## Flamprop-methyl

Methyl N-benzoyl-N-(3-chloro-4-fluorophenyl)-DL-alaninate



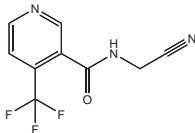
Mataven

CAS 52756-25-9 MF C<sub>17</sub>H<sub>15</sub>ClFNO<sub>3</sub> MW 335.76  
PS S SG 1.31 g/cm<sup>3</sup> MP 85 °C FP >100 °C  
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-366N	10 mg
100 µg/mL in MeOH	P-366S	1 mL

## Flonicamid

N-(Cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide

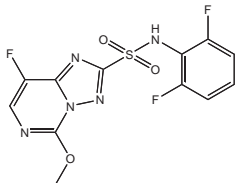


CAS 158062-67-0 MF C<sub>9</sub>H<sub>6</sub>F<sub>3</sub>N<sub>3</sub>O MW 229.16  
PS S SG 1.54 g/cm<sup>3</sup> MP 157-158 °C BP Decomp.  
313 °C SOL A,EA,D,T,M,CN,W

Matrix	Cat. No.	Unit
NEAT	P-926N	10 mg
100 µg/mL in MeOH	P-926S	1 mL

## Florasulam

2',6',8'-Trifluoro-5-methoxy[1,2,4]triazolo  
[1,5-c]pyrimidine-2-sulfonamide

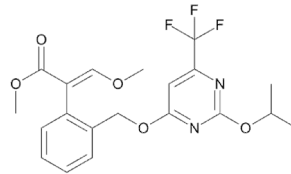


CAS 145701-23-1 MF C<sub>12</sub>H<sub>6</sub>F<sub>3</sub>N<sub>5</sub>O<sub>3</sub>S MW 359.29  
PS S SG 1.53 g/cm<sup>3</sup> MP 194 °C SOL M,A,CN,EA,D

Matrix	Cat. No.	Unit
10 µg/mL in ACN	P-827S-CN-0.1X	1 mL

## Fluacrypyrim

Methyl (E)-2-[a-[2-isopropoxy-6-(trifluoromethyl)pyrimidin-4-yloxy]-o-tolyl]-3-methoxyacrylate

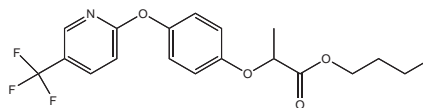


CAS 229977-93-9 MF C<sub>20</sub>H<sub>21</sub>F<sub>3</sub>N<sub>2</sub>O<sub>5</sub> MW 426.39  
PS S SG 1.26 g/cm<sup>3</sup> MP 108 °C BP 530 °C  
FP 274 °C SOL A,M,CN,D,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1056S	1 mL
1000 µg/mL in ACN	P-1056S-CN-10X	1 mL

## Fluazifop-butyl

Butyl 2-(4-((5-(trifluoromethyl)-2-pyridyl)oxy)phenoxy)propionate



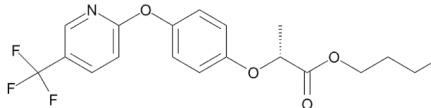
Fusilade

CAS 69806-50-4 MF C<sub>19</sub>H<sub>20</sub>F<sub>3</sub>NO<sub>4</sub> MW 383.36  
PS L SG 1.21 g/cm<sup>3</sup> BP 165 °C (0.02mm Hg)  
FP >38 °C SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-310N	10 mg
100 µg/mL in MeOH	P-310S	1 mL

## Fluazifop-p-butyl

Butyl (R)-2-(4-[5-(trifluoromethyl)-2-pyridyloxy]phenoxy)propionate

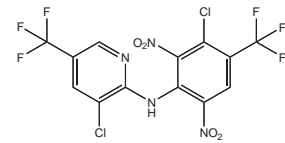


CAS 79241-46-6 MF C<sub>19</sub>H<sub>20</sub>F<sub>3</sub>NO<sub>4</sub> MW 383.36  
PS L SG 1.22 g/cm<sup>3</sup> BP 164 °C (0.02mm Hg)  
FP >50 °C SOL A,M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-601N	10 mg
100 µg/mL in MeOH	P-601S	1 mL

## Fluazinam

3-Chloro-N-(3-chloro-5-trifluoromethyl-2-pyridyl)-a,a,a-trifluoro-2,6-dinitro-p-toluidine

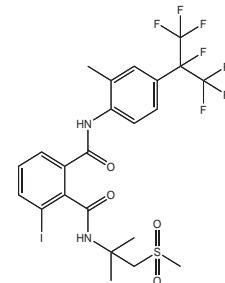


CAS 79622-59-6 MF C<sub>13</sub>H<sub>4</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>4</sub>O<sub>4</sub> MW 465.09  
PS S SG 1.81 g/cm<sup>3</sup> MP 119 °C  
SOL H,M,T,A,CN,D,EA

Matrix	Cat. No.	Unit
NEAT	P-586N	10 mg
100 µg/mL in MeOH	P-586S	1 mL
1000 µg/mL in MeOH	P-586S-10X	1 mL

## Flubendiamide

3-Iodo-N'-(2-mesylyl-1,1-dimethylethyl)-N-[4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-o-tolyl]phthalamide



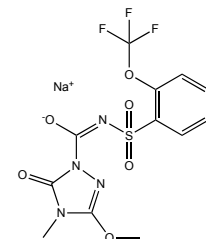
Flubendiamide

CAS 272451-65-7 MF C<sub>23</sub>H<sub>22</sub>F<sub>7</sub>IN<sub>2</sub>O<sub>4</sub>S MW 682.39  
PS S SG 1.66 g/cm<sup>3</sup> MP 217-218 °C  
SOL A,CN,M,EA

Matrix	Cat. No.	Unit
NEAT	P-1025N	10 mg
100 µg/mL in ACN	P-1025S-CN	1 mL
1000 µg/mL in ACN	P-1025S-CN-10X	1 mL

## Flucarbazone-sodium

Sodium 4,5-dihydro-3-methoxy-4-methyl-5-oxo-N-([2-(trifluoromethoxy)phenyl]sulfonyl)-1H-1,2,4-triazole-1-carboximidate



Flubendiamide

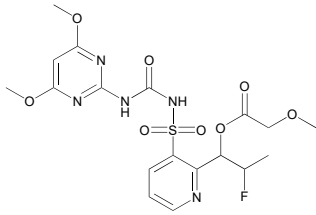
CAS 181274-17-9 MF C<sub>12</sub>H<sub>10</sub>F<sub>3</sub>N<sub>4</sub>NaO<sub>6</sub>S  
MW 418.28 MP 200 °C PS S SOL W

Matrix	Cat. No.	Unit
NEAT	P-1124N	10 mg
100 µg/mL in ACN	P-1124S-CN	1 mL

# Individual Pesticides

## Flucetosulfuron

1-[3-[(4,6-Dimethoxy-pyrimidin-2-ylcarbamoyl)sulfamoyl]-2-pyridyl]-2-fluoropropyl methoxyacetate

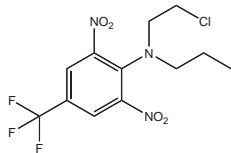


**CAS** 412928-75-7 **MF** C<sub>18</sub>H<sub>22</sub>FN<sub>5</sub>O<sub>8</sub>S **MW** 487.46  
**PS S** **MP** 176 °C decomp. **SOL** A,N,M,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1218S-CN	1 mL
1000 µg/mL in ACN	P-1218S-CN-10X	1 mL

## Fluchloralin

N-(2-Chloroethyl)-2,6-dinitro-N-propyl-4-(trifluoromethyl)aniline

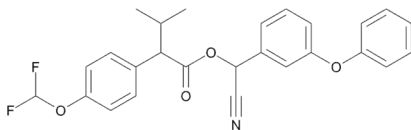


**CAS** 33245-39-5 **MF** C<sub>12</sub>H<sub>13</sub>ClF<sub>3</sub>N<sub>3</sub>O<sub>4</sub> **MW** 355.7  
**PS S** **SG** 1.45 g/cm<sup>3</sup> **MP** 42-43 °C **BP** 392 °C  
**FP** 30 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-270N	10 mg
100 µg/mL in MeOH	P-270S	1 mL
1000 µg/mL in MeOH	P-270S-10X	1 mL

## Flucythrinate

(RS)-α-Cyano-3-phenoxybenzyl (S)-2-(4-difluoromethoxyphenyl)-3-methylbutyrate

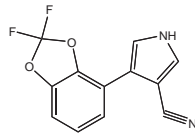


**CAS** 70124-77-5 **MF** C<sub>26</sub>H<sub>23</sub>F<sub>2</sub>NO<sub>4</sub> **MW** 451.46  
**PS L** **SG** 1.19 g/cm<sup>3</sup> **BP** 108 °C (0.35mm Hg)  
**FP** 45 °C **SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-378S	1 mL
1000 µg/mL in Acetone	P-378S-A-10X	1 mL

## Fludioxonil

4-(2,2-Difluoro-1,3-benzodioxol-4-yl)pyrrole-3-carbonitrile

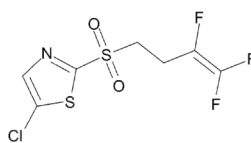


**CAS** 131341-86-1 **MF** C<sub>12</sub>H<sub>6</sub>F<sub>2</sub>N<sub>2</sub>O<sub>2</sub> **MW** 248.19  
**PS S** **SG** 1.55 g/cm<sup>3</sup> **MP** 199 °C  
**BP** Decomp. 306 °C **SOL** M,A,D,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-698N	10 mg
100 µg/mL in MeOH	P-698S	1 mL
1000 µg/mL in Acetone	P-698S-A-10X	1 mL

## Fluensulfone

5-Chloro-2-((3,4,4-trifluorobut-3-en-1-yl)sulfonyl)thiazole

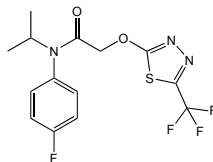


**CAS** 318290-98-1 **MF** C<sub>7</sub>H<sub>5</sub>ClF<sub>3</sub>NO<sub>2</sub>S<sub>2</sub> **MW** 291.7  
**PS S** **MP** 34.8 °C **BP** Decomp. at 215 °C  
**SOL** D,H,EA,A

Matrix	Cat. No.	Unit
NEAT	P-1324N	1 mL

## Flufenacet

N-(4-Fluorophenyl)-N-(1-methylethyl)-2-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]acetamide

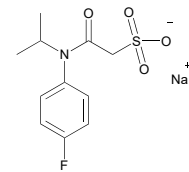


**CAS** 142459-58-3 **MF** C<sub>14</sub>H<sub>13</sub>F<sub>4</sub>N<sub>3</sub>O<sub>2</sub>S **MW** 363.33  
**PS S** **SG** 1.45 g/cm<sup>3</sup> **MP** 78 °C  
**BP** Decomp. 150 °C **SOL** A,T,H,CN,IPA,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-902S-CN	1 mL
1000 µg/mL in ACN	P-902S-CN-10X	1 mL

## Flufenacet ESA sodium salt

Sodium 2-[(4-fluorophenyl)(1-methylethyl)amino]-2-oxo-ethanesulfonate

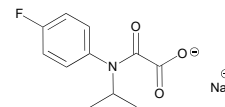


**CAS** 947601-87-8 **MF** C<sub>11</sub>H<sub>13</sub>FNO<sub>2</sub>SNa **MW** 297  
**PS S** **MP** 151-152 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-920S	1 mL

## Flufenacet OA sodium salt

Sodium [(4-fluorophenyl)(1-methylethyl)amino]-oxo-acetate

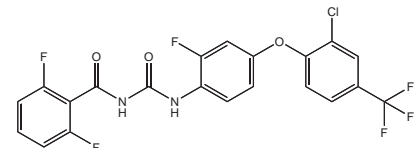


**CAS** N/A **MF** C<sub>11</sub>H<sub>12</sub>NNaO<sub>3</sub> **MW** 247 **PS S**  
**MP** 230-232 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-922S	1 mL

## Flufenoxuron

1-[4-(2-Chloro-a,a,a-trifluoro-p-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea



**CAS** 101463-69-8 **MF** C<sub>21</sub>H<sub>11</sub>ClF<sub>8</sub>N<sub>2</sub>O<sub>3</sub> **MW** 488.77  
**PS S** **SG** 1.57 g/cm<sup>3</sup> **MP** 169-172 °C  
**SOL** A,T,D,M,CN

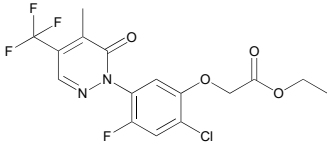
Matrix	Cat. No.	Unit
NEAT	P-687N	10 mg
100 µg/mL in MeOH	P-687S	1 mL
1000 µg/mL in Acetone	P-687S-A-10X	1 mL



# Individual Pesticides

## Flufenpyr-ethyl

Ethyl 2-chloro-5-[1,6-dihydro-5-methyl-6-oxo-4-(trifluoromethyl)pyridazin-1-yl]-4-fluorophenoxyacetate

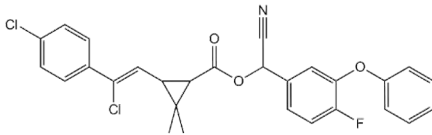


**CAS** 188489-07-8 **MF** C<sub>16</sub>H<sub>13</sub>ClF<sub>4</sub>N<sub>2</sub>O<sub>4</sub> **MW** 408.73  
**PS S MP** 100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1160S-CN	1 mL
1000 µg/mL in ACN	P-1160S-CN-10X	1 mL

## Flumethrin

5-Chloro-2-((3,4,4-trifluorobut-3-en-1-yl)sulfonyl)thiazole

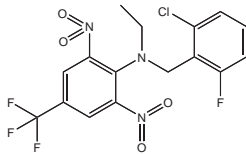


**CAS** 69770-45-2 **MF** C<sub>9</sub>H<sub>7</sub>ClF<sub>3</sub>NO<sub>2</sub>S<sub>2</sub> **MW** 291.7  
**PS S MP** 34.8 °C **BP** Decomp at 215 °C  
**SOL** D,H,EA,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-946S-CN	1 mL

## Flumetralin

N-[(2-Chloro-6-fluorophenyl)methyl]-N-ethyl-2,6-dinitro-4-(trifluoromethyl)aniline

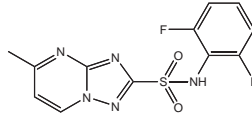


**CAS** 62924-70-3 **MF** C<sub>16</sub>H<sub>12</sub>ClF<sub>4</sub>N<sub>3</sub>O<sub>4</sub> **MW** 421.73  
**PS S SG** 1.54 g/cm<sup>3</sup> **MP** 102 °C **FP** >100 °C  
**SOL** M,A,D,H,CN,EA,T

Matrix	Cat. No.	Unit
NEAT	P-491N	10 mg
100 µg/mL in MeOH	P-491S	1 mL
1000 µg/mL in MeOH	P-491S-10X	1 mL

## Flumetsulam

2',6'-Difluoro-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide

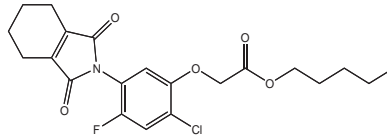


**CAS** 98967-40-9 **MF** C<sub>12</sub>H<sub>9</sub>F<sub>2</sub>N<sub>5</sub>O<sub>2</sub>S **MW** 325.32  
**PS S SG** 1.77 g/cm<sup>3</sup> **MP** 251-253 °C **FP** 93 °C  
**SOL** M,CN,A

Matrix	Cat. No.	Unit
NEAT	P-659N	10 mg
100 µg/mL in MeOH	P-659S	1 mL

## Flumiclorac-pentyl

Pentyl [2-chloro-5-(cyclohex-1-ene-1,2-dicarboximido)-4-fluorophenoxy]acetate

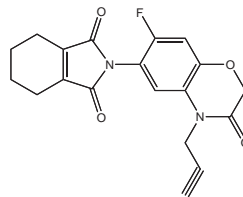


**CAS** 87546-18-7 **MF** C<sub>21</sub>H<sub>23</sub>ClFNO<sub>5</sub> **MW** 423.86  
**PS S SG** 1.33 g/cm<sup>3</sup> **MP** 89 °C **FP** >88 °C  
**SOL** M,H,A,CN

Matrix	Cat. No.	Unit
NEAT	P-993N	10 mg
100 µg/mL in ACN	P-993S-CN	1 mL
1000 µg/mL in ACN	P-993S-CN-10X	1 mL

## Flumioxazin

7-Fluoro-6-(3,4,5,6-tetrahydrophthalimido)-4-(2-propynyl)-1,4-benzoxazin-3(2H)-one



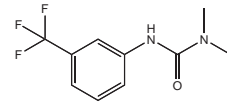
*Flumyzin, Pledge, Vulcan*

**CAS** 103361-09-7 **MF** C<sub>19</sub>H<sub>15</sub>FN<sub>2</sub>O<sub>4</sub> **MW** 354.33  
**PS S SG** 1.51 g/cm<sup>3</sup> **MP** 203 °C  
**BP** Decomp. 273 °C **SOL** A,EA,H,M,D,CN

Matrix	Cat. No.	Unit
100 µg/mL in CH <sub>2</sub> Cl <sub>2</sub>	P-992S-D	1 mL
1000 µg/mL in ACN	P-992S-CN-10X	1 mL

## Fluometuron

1,1-Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea



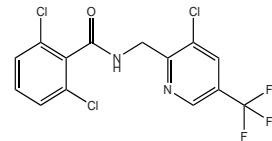
*Cotoran, Cottonex*

**CAS** 2164-17-2 **MF** C<sub>10</sub>H<sub>11</sub>F<sub>3</sub>N<sub>2</sub>O **MW** 232.2 **PS S SG** 1.39 g/cm<sup>3</sup> **MP** 163 °C **SOL** M,A,CN,D,W

Matrix	Cat. No.	Unit
NEAT	P-014N	10 mg
100 µg/mL in ACN	P-014S-CN	1 mL
1000 µg/mL in ACN	P-014S-CN-10X	1 mL

## Fluopicolide

2,6-Dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridylmethyl]benzamide

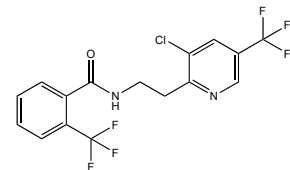


**CAS** 239110-15-7 **MF** C<sub>14</sub>H<sub>8</sub>Cl<sub>3</sub>F<sub>3</sub>N<sub>2</sub>O **MW** 383.58  
**PS S SG** 1.65 g/cm<sup>3</sup> **MP** 150 °C  
**BP** Decomp. 320 °C **SOL** H,E,T,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-1024N	10 mg
100 µg/mL in Acetone	P-1024S-A	1 mL
100 µg/mL in ACN	P-1024S-CN	1 mL
1000 µg/mL in ACN	P-1024S-CN-10X	1 mL

## Fluopyram

N-[2-[3-Chloro-5-(trifluoromethyl)-2-pyridyl]ethyl]-a,a,a-trifluoro-ortho-toluamide



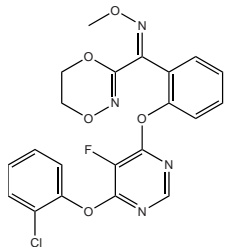
**CAS** 658066-35-4 **MF** C<sub>16</sub>H<sub>11</sub>ClF<sub>3</sub>N<sub>2</sub>O **MW** 396.71  
**PS S MP** 117-118 °C **BP** 318 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-1094N	10 mg
100 µg/mL in MeOH	P-1094S	1 mL
1000 µg/mL in Acetone	P-1094S-A-10X	1 mL

# Individual Pesticides

## Fluoxastrobin

(E)-[2-[6-(2-Chlorophenoxy)-5-fluoropyrimidin-4-yloxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methylloxime

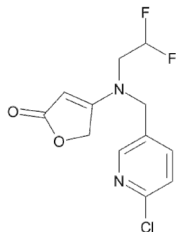


**CAS** 361377-29-9 **MF** C<sub>21</sub>H<sub>16</sub>ClFN<sub>4</sub>O<sub>5</sub> **MW** 458.83  
**PS S SG** 1.42 g/cm<sup>3</sup> **MP** 105 °C  
**SOL** EA,M,CN,A,IPA,D

Matrix	Cat. No.	Unit
NEAT	P-963N	10 mg
100 µg/mL in ACN	P-963S-CN	1 mL

## Flupyradifurone

4-[(6-Chloro-3-pyridylmethyl)(2,2-difluoroethyl)amino]furan-2(5H)-one

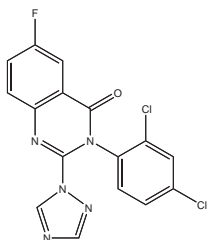


**CAS** 951659-40-8 **MF** C<sub>12</sub>H<sub>11</sub>ClF<sub>2</sub>N<sub>2</sub>O<sub>3</sub> **MW** 288.68  
**PS S SG** 1.43 g/cm<sup>3</sup> **MP** 65.2-67.6 °C  
**BP** Decomp. at 270 °C **SOL** D,H,CN,T,EA,M

Matrix	Cat. No.	Unit
NEAT	P-1286N	10 mg
100 µg/mL in ACN	P-1286S-CN	1 mL

## Fluquinconazole

3-(2,4-Dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)quinazolin-4(3H)-one

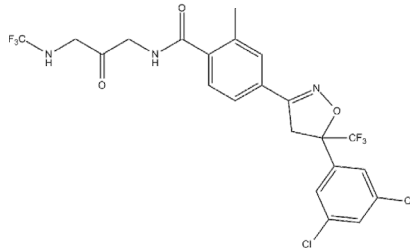


**CAS** 136426-54-5 **MF** C<sub>16</sub>H<sub>8</sub>Cl<sub>2</sub>FN<sub>5</sub>O **MW** 376.17  
**PS S SG** 1.58 g/cm<sup>3</sup> **MP** 192 °C  
**BP** Decomp. 320 °C **SOL** M,A,H,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-878N	10 mg
100 µg/mL in ACN	P-878S-CN	1 mL
1000 µg/mL in ACN	P-878S-CN-10X	1 mL

## Fluralaner

4-[5-(3,5-Dichlorophenyl)-5-(trifluoromethyl)-4H-1,2-oxazol-3-yl]-2-methyl-N-[2-oxo-2-(2,2,2-trifluoroethylamino)ethyl]benzamide



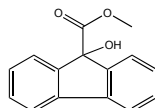
*Bravecto*

**CAS** 864731-61-3 **MF** C<sub>22</sub>H<sub>17</sub>Cl<sub>2</sub>F<sub>8</sub>N<sub>3</sub>O<sub>3</sub> **MW** 556.29  
**PS S MP** 172.3-173.9 °C **SOL** CN,M,D,H,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-766S-CN	1 mL

## Flurenol methyl ester

Methyl 9-hydroxy-9H-fluorene-9-carboxylate

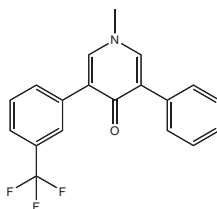


**CAS** 1216-44-0 **MF** C<sub>15</sub>H<sub>12</sub>O<sub>3</sub> **MW** 240.25 **PS S**  
**SG** 1.32 g/cm<sup>3</sup> **MP** 161-163 °C **FP** >100 °C  
**SOL** M

Matrix	Cat. No.	Unit
NEAT	P-412N	10 mg
100 µg/mL in MeOH	P-412S	1 mL

## Fluridone

1-Methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1H)-pyridinone



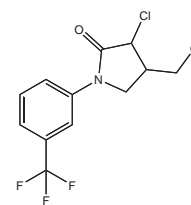
*Sonar*

**CAS** 59756-60-4 **MF** C<sub>19</sub>H<sub>14</sub>F<sub>3</sub>NO **MW** 329.32  
**PS S MP** 154-155 °C **SOL** M,A,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-193N	10 mg
100 µg/mL in MeOH	P-193S	1 mL
1000 µg/mL in MeOH	P-193S-10X	1 mL

## Flurochloridon

3-Chloro-4-(chloromethyl)-1-[3-(trifluoromethyl)phenyl]-2-pyrrolidinone



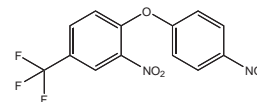
*Flurochloridone*

**CAS** 61213-25-0 **MF** C<sub>12</sub>H<sub>10</sub>Cl<sub>2</sub>F<sub>3</sub>NO **MW** 312.13  
**PS S SG** 1.52 g/cm<sup>3</sup> **MP** 61-73 °C  
**SOL** A,EA,M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-647N	10 mg
100 µg/mL in MeOH	P-647S	1 mL
1000 µg/mL in MeOH	P-647S-10X	1 mL

## Flurodifen

2,4'-Dinitro-4-(trifluoromethyl)diphenyl ether



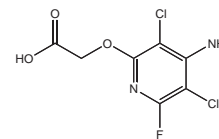
*Flurodifen*

**CAS** 15457-05-3 **MF** C<sub>13</sub>H<sub>7</sub>F<sub>3</sub>N<sub>2</sub>O<sub>5</sub> **MW** 328.2  
**PS S SG** 1.51 g/cm<sup>3</sup> **MP** 94 °C **BP** >200 °C  
**FP** 178 °C **SOL** A,H,M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-676N	10 mg
100 µg/mL in MeOH	P-676S	1 mL
1000 µg/mL in MeOH	P-676S-10X	1 mL

## Fluroxyppy

((4-Amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid



**CAS** 69377-81-7 **MF** C<sub>7</sub>H<sub>5</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>3</sub> **MW** 255.03  
**PS S SG** 1.09 g/cm<sup>3</sup> **MP** 232 °C  
**BP** Decomp. 360 °C **SOL** H,A,M,D,CN,EA,IPA,W

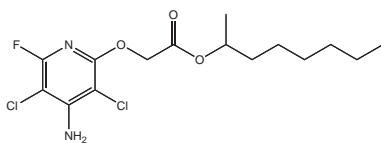
Matrix	Cat. No.	Unit
NEAT	P-521N	10 mg
100 µg/mL in MeOH	P-521S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Fluroxypyr-1-methylheptyl ester

1-Methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate



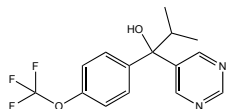
*Fluroxypyr-methyl*

**CAS** 81406-37-3 **MF** C<sub>15</sub>H<sub>21</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>3</sub> **MW** 367.24  
**PS S SG** 1.32 g/cm<sup>3</sup> **MP** 59 °C **BP** Decomp. 312 °C  
**SOL** M,A,EA,CN

Matrix	Cat. No.	Unit
NEAT	P-927N	10 mg
100 µg/mL in MeOH	P-927S	1 mL

## Flurprimidol

(RS)-2-Methyl-1-pyrimidin-5-yl-1-(4-trifluoromethoxyphenyl)propan-1-ol

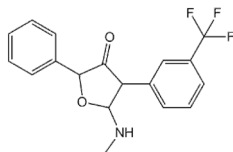


**CAS** 56425-91-3 **MF** C<sub>15</sub>H<sub>15</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub> **MW** 312.29  
**PS S SG** 1.341 g/cm<sup>3</sup> **MP** 93-97 °C  
**BP** Decomp. 200 °C **SOL** A,CN,T,EA,M,H,D

Matrix	Cat. No.	Unit
NEAT	P-1155N	10 mg

## Flurtamone

5-(methylamino)-2-phenyl-4-[3-(trifluoromethyl)phenyl]furan-3-one

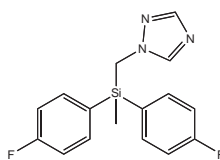


**CAS** 96525-23-4 **MF** C<sub>18</sub>H<sub>14</sub>F<sub>3</sub>NO<sub>2</sub> **MW** 333.3  
**PS S SG** 1.38 g/cm<sup>3</sup> **MP** 148 °C **BP** Decomp. 19 °C  
**SOL** A,M,CN,H,D,EA

Matrix	Cat. No.	Unit
1000 µg/mL in ACN	P-956S-CN-10X	1 mL

## Flusilazole

1-((bis(4-Fluorophenyl)methylsilyl)methyl)-1H-1,2,4-triazole

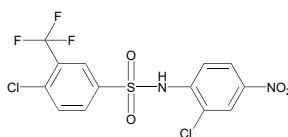


**CAS** 85509-19-9 **MF** C<sub>16</sub>H<sub>15</sub>F<sub>2</sub>N<sub>3</sub>Si **MW** 315.43  
**PS S SG** 1.17 g/cm<sup>3</sup> **MP** 53 °C **BP** Decomp. 310 °C  
**FP** 191 °C **SOL** M,A,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-578N	10 mg
100 µg/mL in MeOH	P-578S	1 mL
1000 µg/mL in Acetone	P-578S-A-10X	1 mL

## Flusulfamide

4-Chloro-N-(2-chloro-4-nitrophenyl)-3-(trifluoromethyl)benzenesulfonamide

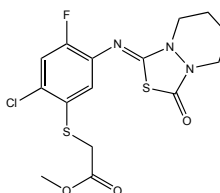


**CAS** 106917-52-6 **MF** C<sub>13</sub>H<sub>7</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>S  
**MW** 415.17 **PS S SG** 1.75 g/cm<sup>3</sup> **MP** 170-171 °C  
**BP** decomp. 250 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1088S-CN	1 mL
1000 µg/mL in ACN	P-1088S-CN-10X	1 mL

## Fluthiacet-methyl

Methyl[[[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H,3H-[1,3,4]thiadiazolo[3,4-a]pyridazin-1-ylidene)amino]phenyl]thio]acetate

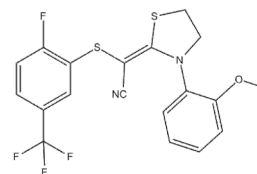


**CAS** 117337-19-6 **MF** C<sub>15</sub>H<sub>15</sub>ClFN<sub>3</sub>O<sub>3</sub>S<sub>2</sub> **MW** 403.88  
**PS S SG** 0.43 g/cm<sup>3</sup> **MP** 106 °C  
**BP** Decomp. 249 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1095S-CN	1 mL
1000 µg/mL in ACN	P-1095S-CN-10X	1 mL

## Flutianil

5-(methylamino)-2-phenyl-4-[3-(trifluoromethyl)phenyl]furan-3-one

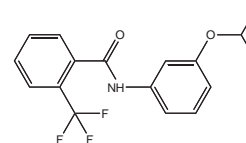


**CAS** 958647-10-4 **MF** C<sub>18</sub>H<sub>14</sub>F<sub>3</sub>NO<sub>2</sub> **MW** 333.3  
**PS S SG** 1.38 g/cm<sup>3</sup> **MP** 148.5 °C  
**SOL** A,M,CN,H,D,EA

Matrix	Cat. No.	Unit
NEAT	P-1382N	10 mg
100 µg/mL in MeOH	P-1382S	1 mL

## Flutolanil

a,a,a,-Trifluoro-3'-isopropoxy-o-toluanilide



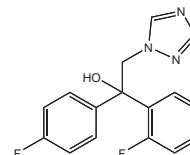
*Moncut*

**CAS** 66332-96-5 **MF** C<sub>17</sub>H<sub>16</sub>F<sub>3</sub>NO<sub>2</sub> **MW** 323.31  
**PS S SG** 1.32 g/cm<sup>3</sup> **MP** 102-103 °C  
**SOL** A,EA,M,T,H,CN,D

Matrix	Cat. No.	Unit
NEAT	P-587N	10 mg
100 µg/mL in MeOH	P-587S	1 mL
1000 µg/mL in Acetone	P-587S-A-10X	1 mL

## FlutriafoI

(RS)-2,4'-Difluoro-a-(1H-1,2,4-triazol-1-ylmethyl)benzhydriI alcohol



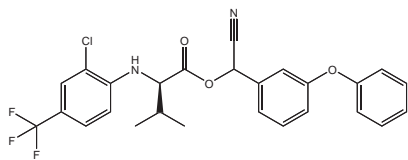
**CAS** 76674-21-0 **MF** C<sub>16</sub>H<sub>13</sub>F<sub>2</sub>N<sub>3</sub>O **MW** 301.29 **PS S SG** 1.41 g/cm<sup>3</sup> **MP** 130 °C **SOL** M,A,CN,H,D,W

Matrix	Cat. No.	Unit
NEAT	P-699N	10 mg
100 µg/mL in MeOH	P-699S	1 mL
1000 µg/mL in MeOH	P-699S-10X	1 mL

# Individual Pesticides

## tau-Fluvalinate

(RS)-alpha-Cyano-3-phenoxybenzyl N-(2-chloro-alpha,alpha,alpha-trifluoro-p-tolyl)-D-valinate



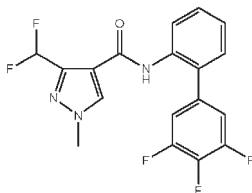
Mavrik

CAS 102851-06-9 MF C<sub>26</sub>H<sub>22</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>3</sub> MW 502.91  
PS L SG 1.27 g/cm<sup>3</sup> BP 164 °C (0.007mm Hg)  
FP 90 °C SOL M,A,T,CN,TP,EA,H,IPA

Matrix	Cat. No.	Unit
NEAT	P-356N	10 mg
100 µg/mL in ACN	P-356S-CN	1 mL
1000 µg/mL in ACN	P-356S-CN-10X	1 mL

## Fluxapyroxad

3-(Difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro-2-bi-phenyl)-1H-pyrazole-4-carboxamide

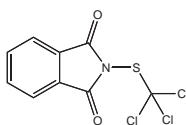


CAS 907204-31-3 MF C<sub>18</sub>H<sub>12</sub>F<sub>5</sub>N<sub>3</sub>O MW 381.30  
PS S MP 157 °C SOL A,EA,M,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1150S-CN	1 mL
1000 µg/mL in ACN	P-1150S-CN-10X	1 mL

## Folpet

N-(Trichloromethylthio)phthalimide

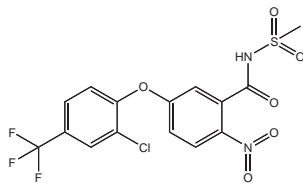


CAS 133-07-3 MF C<sub>9</sub>H<sub>4</sub>Cl<sub>3</sub>NO<sub>2</sub>S MW 296.56  
PS S SG 1.72 g/cm<sup>3</sup> MP 178 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-258N	10 mg
100 µg/mL in MeOH	P-258S	1 mL
1000 µg/mL in ACN	P-258S-A-10X	1 mL

## Fomesafen

5-[2-Chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulphonyl)-2-nitrobenzamide

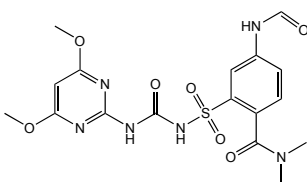


CAS 72178-02-0 MF C<sub>15</sub>H<sub>10</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>6</sub>S MW 438.76  
PS S SG 1.28 g/cm<sup>3</sup> MP 220-221 °C  
SOL A,M,D,CN

Matrix	Cat. No.	Unit
NEAT	P-907N	10 mg
100 µg/mL in MeOH	P-907S	1 mL

## Foramsulfuron

2-[3-(4,6-Dimethoxy-2-pyrimidinyl)ureidosulfonyl]-4-(formamido)-N,N-dimethylbenzamide

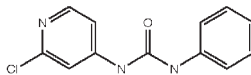


CAS 173159-57-4 MF C<sub>17</sub>H<sub>20</sub>N<sub>6</sub>O<sub>6</sub>S MW 452.44  
PS S SG 1.44 g/cm<sup>3</sup> MP 195 °C SOL A,EA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-852N	10 mg
100 µg/mL in ACN	P-852S-CN	1 mL

## Forchlorfenuron

N-(2-Chloro-4-pyridyl)-N'-phenylurea

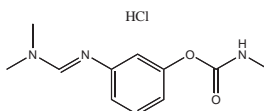


CAS 68157-60-8 MF C<sub>12</sub>H<sub>10</sub>ClN<sub>3</sub>O MW 247.68  
PS S SG 1.38 g/cm<sup>3</sup> MP 165-170 °C SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-753N	10 mg
100 µg/mL in MeOH	P-753S	1 mL
1000 µg/mL in ACN	P-753S-CN-10X	1 mL

## Formetanate HCl

3-Dimethylaminomethyleneaminophenyl methylcarbamate hydrochloride

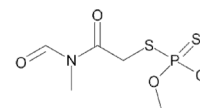


CAS 23422-53-9 MF C<sub>11</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>•HCl MW 257.72  
PS S MP 200-202 °C SOL H,M,D,T,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-431N	10 mg
100 µg/mL in ACN	P-431S-CN	1 mL

## Formothion

S-[2-(Formylmethylamino)-2-oxoethyl] O,O-dimethyl dithiophosphate

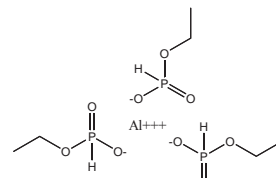


CAS 2540-82-1 MF C<sub>6</sub>H<sub>12</sub>NO<sub>4</sub>PS<sub>2</sub> MW 257.27  
PS L SG 1.36 g/cm<sup>3</sup> SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-149N	10 mg
100 µg/mL in ACN	P-149S-CN	1 mL

## Fosetyl aluminum

Aluminum tris(O-ethylphosphonate)

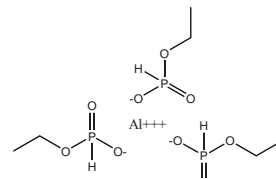


CAS 39148-24-8 MF C<sub>6</sub>H<sub>18</sub>AlO<sub>9</sub>P<sub>3</sub> MW 354.13  
PS S SG 1.53 g/cm<sup>3</sup> MP 215 °C  
BP Decomp. 277 °C SOL A,M,W

Matrix	Cat. No.	Unit
100 µg/mL in Water	P-1173S-W	1 mL

## Fosetyl aluminum (Tech Mix)

Aluminum tris(O-ethylphosphonate)

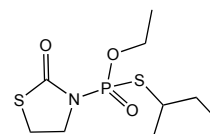


CAS 39148-24-8 MF C<sub>6</sub>H<sub>18</sub>AlO<sub>9</sub>P<sub>3</sub> MW 354.13  
PS S SG 1.53 g/cm<sup>3</sup> MP 215 °C  
BP Decomp. 277 °C SOL A,M,W

Matrix	Cat. No.	Unit
NEAT	P-532N	10 mg
100 µg/mL in MeOH:Water (90:10)	P-532S-W	1 mL

## Fosthiazate

(RS)-S-sec-Butyl O-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphothioate



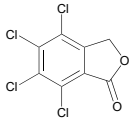
CAS 98886-44-3 MF C<sub>9</sub>H<sub>18</sub>NO<sub>3</sub>PS<sub>2</sub> MW 283.35  
PS L SG 1.23 g/cm<sup>3</sup> BP 198 °C (0.5mm Hg)  
SOL H,A,M,EA,CN,W

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-828S-CN	1 mL
1000 µg/mL in Acetone	P-828S-A-10X	1 mL

# Individual Pesticides

## Fthalide (4,5,6,7-Tetrachlorophthalide)

4,5,6,7-Tetrachlorophthalide

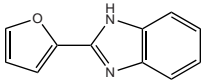


CAS 27355-22-2 MF C<sub>8</sub>H<sub>2</sub>Cl<sub>4</sub>O<sub>2</sub> MW 271.9 PS S  
SG 1.77 g/cm<sup>3</sup> MP 210 °C SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1128S-A	1 mL
1000 µg/mL in Acetone	P-1128S-A-10X	1 mL

## Fuberidazole

2-(2'-Furyl)benzimidazole

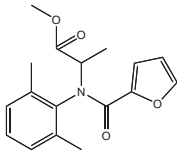


CAS 3878-19-1 MF C<sub>11</sub>H<sub>8</sub>N<sub>2</sub>O MW 184.19 PS S  
MP Decomp. SOL T,A,EA,D,M,CN,IPA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-789S-CN	1 mL

## Furalaxyl

Methyl N-(2-furoyl)-N-(2,6-xylyl)-DL-alaninate

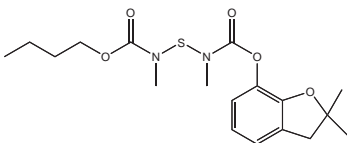


CAS 57646-30-7 MF C<sub>17</sub>H<sub>19</sub>NO<sub>4</sub> MW 301.34 PS S  
SG 1.22 g/cm<sup>3</sup> MP 70 °C SOL D,A,M,H,CN

Matrix	Cat. No.	Unit
NEAT	P-605N	10 mg
100 µg/mL in MeOH	P-605S	1 mL

## Furathiocarb

Butyl 2,3-dihydro-2,2-dimethylbenzofuran-7-yl  
N,N'-dimethyl-N,N'-thiodicarbamate



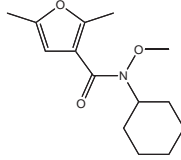
Promet

CAS 65907-30-4 MF C<sub>18</sub>H<sub>26</sub>N<sub>2</sub>O<sub>5</sub>S MW 382.48  
PS L SG 1.15 g/cm<sup>3</sup> BP >250 °C  
SOL M,A,T,H,CN,IPA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-569S	10 mg
1000 µg/mL in Acetone	P-569S-A-10X	1 mL

## Furmecyclox

N-Cyclohexyl-N-methoxy-2,5-dimethyl-3-furamide

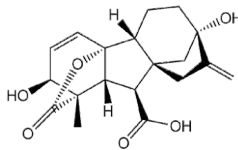


CAS 60568-05-0 MF C<sub>14</sub>H<sub>21</sub>NO<sub>3</sub> MW 251.32 PS S  
SG 1.10 g/cm<sup>3</sup> MP 33 °C FP >100 °C SOL M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-607S	1 mL

## Gibberellic acid

5-(methylamino)-2-phenyl-4-[3-(trifluoromethyl)  
phenyl]furan-3-one

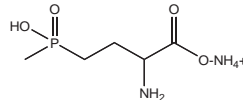


CAS 77-06-5 MF C<sub>19</sub>H<sub>22</sub>O<sub>6</sub> MW 346.4 PS S  
MP Decomp. > 200 °C SOL M,A,W,EA,D,H

Matrix	Cat. No.	Unit
1000 µg/mL in MeOH	P-906S-10X	1 mL

## Glufosinate, ammonium salt

2-Amino-4-(hydroxymethylphosphiny)  
butanoic acid monoammonium salt



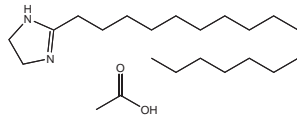
Liberty

CAS 77182-82-2 MF C<sub>5</sub>H<sub>15</sub>N<sub>2</sub>O<sub>4</sub>P MW 198.2 PS S  
SG 1.40 g/cm<sup>3</sup> MP 215 °C SOL A,EA,M,T,H,W

Matrix	Cat. No.	Unit
NEAT	P-475N	10 mg
100 µg/mL in MeOH	P-475S	1 mL

## Glyodin (Tech Mix)

2-Heptadecyl-2-imidazoline acetate

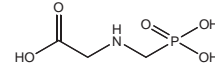


CAS 556-22-9 MF C<sub>22</sub>H<sub>44</sub>N<sub>2</sub>O<sub>2</sub> MW 368.22  
PS S SG 1.04 g/cm<sup>3</sup> MP 65 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-528N	10 mg
100 µg/mL in MeOH	P-528S	1 mL

## Glyphosate

N-(Phosphonomethyl)glycine



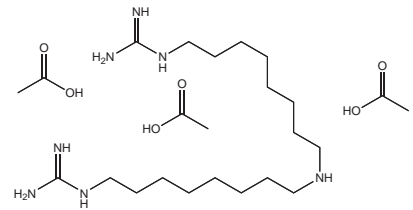
Roundup

CAS 1071-83-6 MF C<sub>3</sub>H<sub>8</sub>NO<sub>5</sub>P MW 169.07 PS S  
SG 1.68 g/cm<sup>3</sup> MP 219 °C (decomp.)  
SOL A,H,M,EA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-015N	10 mg
100 µg/mL in H <sub>2</sub> O	P-015S-W	1 mL
1000 µg/mL in H <sub>2</sub> O	P-015S-W-10X	1 mL
5000 µg/mL in H <sub>2</sub> O	P-015S-W-50X	1 mL

## Guazatine acetate (Tech Mix)

Mixture of acetates of guanidated di and triamines  
and oligomeric amines



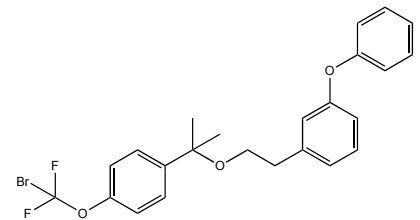
GTA

CAS 115044-19-4 MF C<sub>24</sub>H<sub>53</sub>N<sub>7</sub>O<sub>6</sub> MW 535.72  
PS S SG 1.09 g/cm<sup>3</sup> MP 60 °C SOL M,W

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-612S	1 mL

## Halfenprox

2-(4-Bromodifluoromethoxyphenyl)-2-methylpropyl  
3-phenoxybenzyl ether



CAS 111872-58-3 MF C<sub>24</sub>H<sub>23</sub>BrF<sub>2</sub>O<sub>3</sub> MW 477.34  
PS L SG 1.32 g/cm<sup>3</sup> BP Decomp. 291 °C  
FP 272 °C SOL M,A,CN,H,T,D,EA

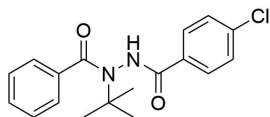
Matrix	Cat. No.	Unit
10 µg/mL in MeOH	P-1050S-0.1X	1 mL
1000 µg/mL in Acetone	P-1050S-A-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Halofenozide

2-Benzoyl-2-(1,1-dimethylethyl)hydrazide  
4-chlorobenzoic acid

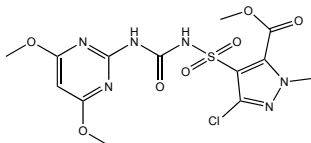


CAS 112226-61-6 MF C<sub>18</sub>H<sub>19</sub>ClN<sub>2</sub>O<sub>2</sub> MW 330.81  
PS S SG 0.46 g/cm<sup>3</sup> MP 200 °C SOL D,CN,IPA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-804S-CN	1 mL

## Halosulfuron methyl

Methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate

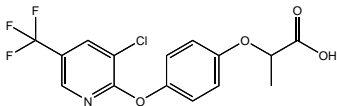


CAS 100784-20-1 MF C<sub>13</sub>H<sub>15</sub>ClN<sub>6</sub>O<sub>5</sub>S MW 434.81  
PS S SG 1.62 g/cm<sup>3</sup> MP 175-177 °C  
BP Decomp. 182 °C SOL M,A,CN,IPA,D,EA,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1089S-CN	1 mL
1000 µg/mL in ACN	P-1089S-CN-10X	1 mL

## Haloxypop

2-[4-[[3-Chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid

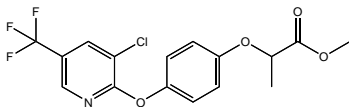


CAS 69806-34-4 MF C<sub>15</sub>H<sub>11</sub>ClF<sub>3</sub>NO<sub>4</sub> MW 361.7  
PS S SG 1.64 g/cm<sup>3</sup> MP 107-108 °C  
SOL A,EA,H,M,CN,IPA,D,T

Matrix	Cat. No.	Unit
NEAT	P-496N	10 mg
100 µg/mL in MeOH	P-496S	1 mL
100 µg/mL in ACN	P-496S-CN	1 mL
1000 µg/mL in ACN	P-496S-CN-10X	1 mL

## Haloxypop-methyl

Methyl 2-(4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy)propanoate

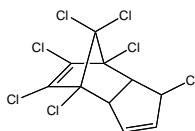


CAS 69806-40-2 MF C<sub>16</sub>H<sub>13</sub>ClF<sub>3</sub>NO<sub>4</sub> MW 357.73  
PS L SG 1.09 g/cm<sup>3</sup> MP 55-57 °C FP >100 °C  
SOL M,A,CN,IPA,D,EA,T

Matrix	Cat. No.	Unit
NEAT	P-497N	10 mg
100 µg/mL in MeOH	P-497S	1 mL

## Heptachlor

1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene

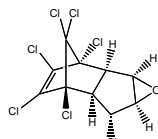


CAS 76-44-8 MF C<sub>10</sub>H<sub>5</sub>Cl<sub>7</sub> MW 373.32  
SG 1.58 g/cm<sup>3</sup> MP 95 °C BP 135-145 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-053N	10 mg
100 µg/mL in MeOH	P-053S	1 mL
1000 µg/mL in MeOH	P-053S-10X	1 mL
1000 µg/mL in Acetone	P-053S-A-10X	1 mL

## Heptachlor epoxide (Isomer A)

1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan



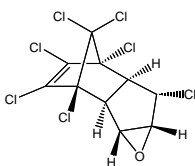
*Heptachlor endo-epoxide, trans-Heptachlor epoxide*

CAS 28044-83-9 MF C<sub>10</sub>H<sub>5</sub>Cl<sub>7</sub>O MW 389.31 PS S  
MP 160 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-294S	1 mL

## Heptachlor epoxide (Isomer B)

1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene



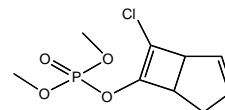
*Heptachlor exo-epoxide, cis-Heptachlor epoxide*

CAS 1024-57-3 MF C<sub>10</sub>H<sub>5</sub>Cl<sub>7</sub>O MW 389.31 PS S  
MP 159-160 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-054N	10 mg
100 µg/mL in MeOH	P-054S	1 mL
1000 µg/mL in MeOH	P-054S-10X	1 mL

## Heptenophos

7-Chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate



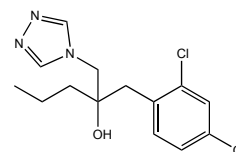
*Hostaquick*

CAS 23560-59-0 MF C<sub>9</sub>H<sub>12</sub>ClO<sub>4</sub>P MW 250.62 PS L  
SG 1.28 g/cm<sup>3</sup> BP 64 °C (0.075mm Hg)  
FP 152 °C SOL M,A,T,CN,H,W

Matrix	Cat. No.	Unit
NEAT	P-547N	10 mg
100 µg/mL in MeOH	P-547S	1 mL
1000 µg/mL in MeOH	P-547S-10X	1 mL

## Hexaconazole

(RS)-2-(2,4-Dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol

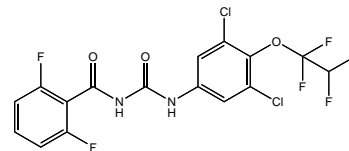


CAS 79983-71-4 MF C<sub>14</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O MW 314.21  
PS S SG 1.29 g/cm<sup>3</sup> MP 110-112 °C  
SOL M,H,T,CN,EA,A,D

Matrix	Cat. No.	Unit
NEAT	P-500N	10 mg
100 µg/mL in MeOH	P-500S	1 mL
1000 µg/mL in Acetone	P-500S-A-10X	1 mL

## Hexaflumuron

1-[3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea



CAS 86479-06-3 MF C<sub>16</sub>H<sub>8</sub>Cl<sub>2</sub>F<sub>6</sub>N<sub>2</sub>O<sub>3</sub> MW 461.14  
PS S SG 1.68 g/cm<sup>3</sup> MP 203-204 °C  
BP Decomp. 300 °C SOL M,CN,A,EA,IPA,D,T

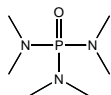
Matrix	Cat. No.	Unit
NEAT	P-697N	10 mg
100 µg/mL in MeOH	P-697S	1 mL
1000 µg/mL in ACN	P-697S-CN-10X	1 mL



# Individual Pesticides

## Hexamethylphosphoramide

tris(Dimethylamino)phosphine oxide



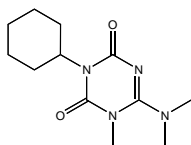
HMPA

CAS 680-31-9 MF C<sub>6</sub>H<sub>16</sub>N<sub>3</sub>OP MW 179.2 PS L  
SG 1.03 g/cm<sup>3</sup> BP 230-232 °C FP 144 °C  
SOL M,D,H

Matrix	Cat. No.	Unit
NEAT	P-205N	10 mg
100 µg/mL in MeOH	P-205S	1 mL

## Hexazinone

3-Cyclohexyl-6-dimethylamino-1-methyl-1,3,5-triazine-2,4(1H,3H)-dione

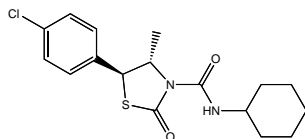


CAS 51235-04-2 MF C<sub>12</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub> MW 252.31  
PS S SG 1.25 g/cm<sup>3</sup> MP 115-117 °C  
SOL M,A,D,H,T,CN,TP,EA,W,H

Matrix	Cat. No.	Unit
NEAT	P-123N	10 mg
100 µg/mL in MeOH	P-123S	1 mL
1000 µg/mL in MeOH	P-123S-10X	1 mL
1000 µg/mL in ACN	P-123S-CN-10X	1 mL

## Hexythiazox

trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidinecarboxamide



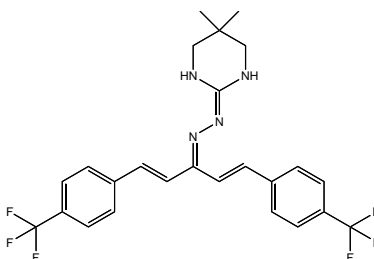
Nissorun

CAS 78587-05-0 MF C<sub>17</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>2</sub>S MW 352.88  
PS S SG 1.31 g/cm<sup>3</sup> MP 108-109 °C BP 222 °C  
FP 100 °C SOL M,A,CN,H

Matrix	Cat. No.	Unit
NEAT	P-658N	10 mg
100 µg/mL in MeOH	P-658S	1 mL
1000 µg/mL in ACN	P-658S-CN-10X	1 mL

## Hydramethylnon

5,5-Dimethylperhydropyrimidin-2-one 4-trifluoromethyl-a-(4-trifluoromethylstyryl)cinnamylidenehydrazone



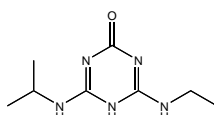
Amdro

CAS 67485-29-4 MF C<sub>25</sub>H<sub>24</sub>F<sub>6</sub>N<sub>4</sub> MW 494.48 PS S  
SG 1.67 g/cm<sup>3</sup> MP 185-190 °C SOL A,M,CN,IPA

Matrix	Cat. No.	Unit
NEAT	P-403N	10 mg
100 µg/mL in MeOH	P-403S	1 mL

## 2-Hydroxyatrazine

4-Ethylamino-2-hydroxy-6-isopropylamino-s-triazine



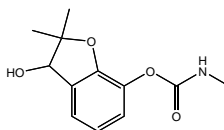
Hydroxyatrazine

CAS 2163-68-0 MF C<sub>8</sub>H<sub>15</sub>N<sub>5</sub>O MW 197.24 PS S  
SG 1.30 g/cm<sup>3</sup> MP 320 °C BP 410 °C SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH: Phosphoric acid (99:1)	P-326S-R1	1 mL
100 µg/mL in MC	P-326S-MC	1 mL

## 3-Hydroxycarbofuran

2,3-Dihydro-2,2-dimethyl-3,7-benzofurandiolo-7-methyl carbamate



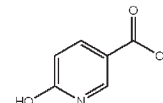
Carbofuran 3-hydroxy

CAS 16655-82-6 MF C<sub>12</sub>H<sub>15</sub>NO<sub>4</sub> MW 237.25 PS S  
SG 1.24 g/cm<sup>3</sup> MP 138-140 °C SOL M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-186S	1 mL

## 6-Hydroxypyridine-3-carboxylic acid

6-Hydroxynicotinic acid

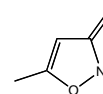


CAS 5006-66-6 MF C<sub>6</sub>H<sub>5</sub>NO<sub>3</sub> MW 139.11 PS S  
SG 1.55 g/cm<sup>3</sup> MP 310 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-1226N	10 mg
100 µg/mL in MeOH	P-1226S ▲	1 mL

## Hymexazol

3-Hydroxy-5-methylisoxazole



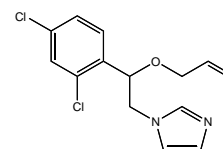
3-Isoxazolol

CAS 10004-44-1 MF C<sub>4</sub>H<sub>5</sub>NO<sub>2</sub> MW 99.09 PS S  
MP 86-87 °C BP Decomp. 180 °C  
SOL W,A,D,EA,H,M,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-571S	1 mL

## Imazalil

1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole



Chloramizol, Enilconazole

CAS 35554-44-0 MF C<sub>14</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O MW 297.18 PS S  
SG 1.35 g/cm<sup>3</sup> MP 53 °C BP Decomp. 285 °C  
FP 192 °C SOL M,A,D,H,T,CN,EA,IPA

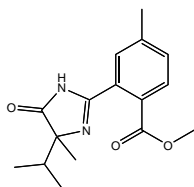
Matrix	Cat. No.	Unit
NEAT	P-332N	10 mg
100 µg/mL in MeOH	P-332S	1 mL
1000 µg/mL in Acetone	P-332S-A-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Imazamethabenz methyl

Methyl 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-4(or 5)-methylbenzoate

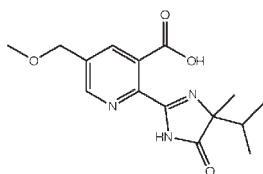


**CAS** 81405-85-8 **MF** C<sub>16</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub> **MW** 288.34 **PS** S  
**SG** 0.22 g/cm<sup>3</sup> **MP** 113-153 °C **FP** >93 °C  
**SOL** M,A,D,H,W,IPA,T

Matrix	Cat. No.	Unit
NEAT	P-414N	10 mg
100 µg/mL in MeOH	P-414S	1 mL

## Imazamox

(RS)-2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxy-methylnicotinic acid



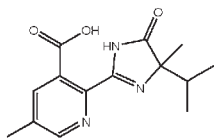
Raptor

**CAS** 114311-32-9 **MF** C<sub>15</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub> **MW** 305.33  
**PS** S **SG** 1.35 g/cm<sup>3</sup> **MP** 166 °C  
**SOL** H,M,T,EA,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-806N	10 mg
100 µg/mL in ACN	P-806S-CN	1 mL
1000 µg/mL in ACN	P-806S-CN-10X	1 mL

## Imazapic

2-[(RS)-4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl]-5-methylnicotinic acid

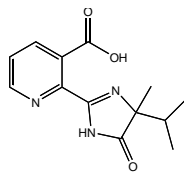


**CAS** 104098-48-8 **MF** C<sub>14</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub> **MW** 275.30 **PS** S  
**SG** 1.31 g/cm<sup>3</sup> **MP** 205 °C **BP** >400 °C **FP** 216 °C  
**SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-1063N	10 mg
100 µg/mL in ACN	P-1063S-CN	1 mL
1000 µg/mL in ACN	P-1063S-CN-10X	1 mL

## Imazapyr

2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid

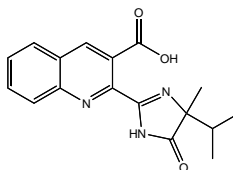


**CAS** 81334-34-1 **MF** C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub> **MW** 261.28 **PS** S  
**SG** 1.34 g/cm<sup>3</sup> **MP** 169-173 °C  
**SOL** M,A,T,H,CN,W,D

Matrix	Cat. No.	Unit
NEAT	P-589N	10 mg
100 µg/mL in ACN	P-589S-CN	1 mL

## Imazaquin

(RS)-2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)quinolin-3-carboxylic acid

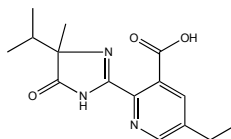


**CAS** 81335-37-7 **MF** C<sub>17</sub>H<sub>17</sub>N<sub>3</sub>O<sub>3</sub> **MW** 311.34 **PS** S  
**SG** 0.41 g/cm<sup>3</sup> **MP** 224 °C  
**SOL** T,E,A,EA,M,CN,D,DMSO

Matrix	Cat. No.	Unit
NEAT	P-283N	10 mg
100 µg/mL in MeOH	P-283S	1 mL
1000 µg/mL in MeOH	P-283S-10X	1 mL

## Imazethapyr

5-Ethyl-2-(4-isopropyl-4-methyl-5-oxo-4,5-dihydro-1H-imidazol-2-yl)nicotinic acid

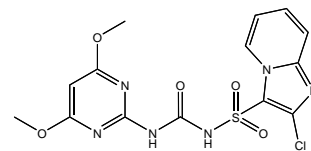


**CAS** 81335-77-5 **MF** C<sub>15</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub> **MW** 289.33 **PS** S  
**SG** 1.10 g/cm<sup>3</sup> **MP** 169-173 °C **BP** Decomp.180 °C  
**SOL** CN,M,D,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-285S-CN	1 mL
1000 µg/mL in ACN	P-285S-CN-10X	1 mL

## Imazosulfuron

2-Chloro-N-(((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl)imidazo(1,2-a)pyridine-3-sulfonamide



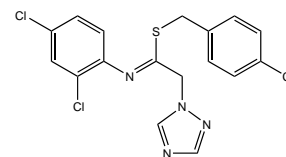
Imazosulfuron

**CAS** 122548-33-8 **MF** C<sub>14</sub>H<sub>13</sub>ClN<sub>6</sub>O<sub>5</sub>S **MW** 412.81  
**SG** 1.57 g/cm<sup>3</sup> **MP** 183-184 °C **SOL** EA,A,D,CN,M

Matrix	Cat. No.	Unit
NEAT	P-853N	10 mg
100 µg/mL in ACN	P-853S-CN	1 mL
1000 µg/mL in ACN	P-853S-CN-10X	1 mL

## Imibenconazole

(4-Chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate

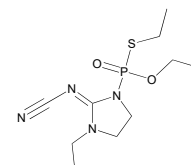


**CAS** 86598-92-7 **MF** C<sub>17</sub>H<sub>13</sub>Cl<sub>3</sub>N<sub>4</sub>S **MW** 411.74  
**PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 89-90 °C  
**BP** 567-568 °C **FP** 297 °C **SOL** A,M,CN

Matrix	Cat. No.	Unit
50 µg/mL in ACN	P-1019S-CN-0.5X	1 mL
1000 µg/mL in ACN	P-1019S-CN-10X	1 mL

## Imicyafos

O-Ethyl S-propyl (E)-[2-(Cyanoimino)-3-ethylimidazolidin-1-yl]phosphonothioate



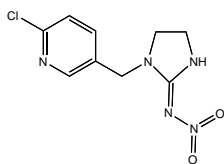
**CAS** 140163-89-9 **MF** C<sub>11</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>PS **MW** 304.35  
**PS** L **BP** 392 °C **FP** 191 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1215S-CN	1 mL
1000 µg/mL in ACN	P-1215S-CN-10X	1 mL

# Individual Pesticides

## Imidacloprid

1-(6-Chloro-3-pyridinylmethyl)-N-nitro-2-imidazolidinimine



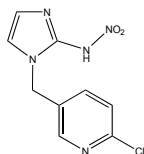
Marathon, Merit

**CAS** 138261-41-3 **MF** C<sub>9</sub>H<sub>10</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 255.66  
**PS S SG** 1.54 g/cm<sup>3</sup> **MP** 144 °C  
**SOL** M,A,D,CN,EA,T,H,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-596N	10 mg
100 µg/mL in MeOH	P-596S	1 mL
1000 µg/mL in ACN	P-596S-CN-10X	1 mL

## Imidacloprid-olefin

1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-1H-imidazol-2-amine

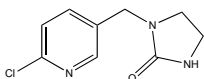


**CAS** 115086-54-9 **MF** C<sub>9</sub>H<sub>8</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 253.65  
**PS S SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1366N	10 mg
100 µg/mL in ACN	P-1366S-CN	1 mL
1000 µg/mL in ACN	P-1366S-CN-10X	1 mL

## Imidacloprid urea

1-[(6-Chloro-3-pyridinyl)methyl]-4,5-dihydro-1H-imidazol-2-ol

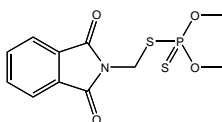


**CAS** 120868-66-8 **MF** C<sub>9</sub>H<sub>10</sub>ClN<sub>3</sub>O **MW** 211.65  
**PS S MP** 137-138 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1365S-CN	1 mL
1000 µg/mL in ACN	P-1365S-CN-10X	1 mL

## Imidan

N-(Mercaptomethyl)phthalimide S-(O,O-dimethylphosphorodithioate)



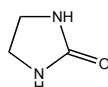
Percolate, Phosmet

**CAS** 732-11-6 **MF** C<sub>11</sub>H<sub>12</sub>NO<sub>4</sub>PS<sub>2</sub> **MW** 317.32 **PS S SG** 1.44 g/cm<sup>3</sup> **MP** 72-73 °C **BP** Decomp. 100 °C  
**FP** >106 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-055N	10 mg
100 µg/mL in MeOH	P-055S	1 mL
1000 µg/mL in MeOH	P-055S-10X	1 mL

## 2-Imidazolidone

N,N'-Ethyleneurea



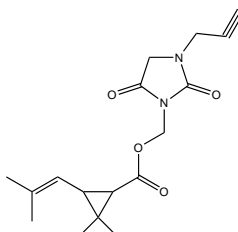
2-Oxoimidazolidine

**CAS** 120-93-4 **MF** C<sub>3</sub>H<sub>6</sub>N<sub>2</sub>O **MW** 86.09 **PS S MP** 129-132 °C **BP** 336 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1224N	10 mg
100 µg/mL in MeOH	P-1224S	1 mL

## Imiprothrin

[2,5-Dioxo-3-(2-propynyl)-1-imidazolidinyl]methyl (1R)-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate

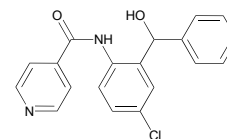


**CAS** 72963-72-5 **MF** C<sub>17</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub> **MW** 318.37 **PS L SOL** CN,H **SG** 1.12 g/cm<sup>3</sup> **FP** 110 °C

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-983S-CN	1 mL

## Inabentide

4'-Chloro-2'-(alpha-hydroxybenzyl)isonicotinaniide

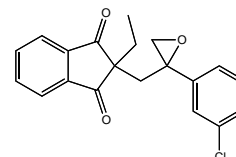


**CAS** 82211-24-3 **MF** C<sub>19</sub>H<sub>15</sub>ClN<sub>2</sub>O<sub>2</sub> **MW** 338.79  
**PS S MP** 211 °C **SOL** A,CN,N,M

Matrix	Cat. No.	Unit
100 µg/mL in A:ACN	P-1219S-A-CN	1 mL
1000 µg/mL in A:ACN	P-1219S-A-CN-10X	1 mL

## Indanofan

2-[[2-(3-Chlorophenyl)oxiranyl]methyl]-2-ethyl-1H-indene-1,3(2H)-dione

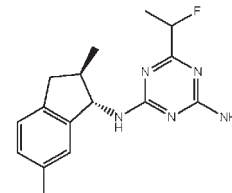


**CAS** 133220-30-1 **MF** C<sub>20</sub>H<sub>17</sub>ClO<sub>3</sub> **MW** 340.80  
**PS S SG** 1.24 g/cm<sup>3</sup> **MP** 60-61 °C  
**SOL** H,M,A,EA,CN,T,D

Matrix	Cat. No.	Unit
NEAT	P-988N	10 mg
100 µg/mL in Acetone	P-988S-A	1 mL

## Indaziflam

N-[(1R,2S)-2,3-Dihydro-2,6-dimethyl-1H-inden-1-yl]-6-[(1R)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine



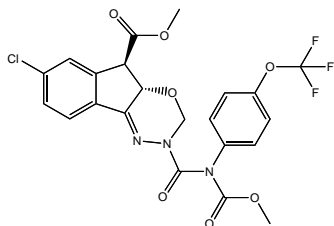
**CAS** 950782-86-2 **MF** C<sub>16</sub>H<sub>20</sub>FN<sub>5</sub> **MW** 301.36  
**PS S SG** 1.23 g/cm<sup>3</sup> **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1168S-CN	1 mL

# Individual Pesticides

## Indoxacarb

Methyl 7-chloro-2,5-dihydro-2-[N-(methoxycarbonyl)-4-(trifluoromethoxy)anilino]carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a(3H)carboxylate

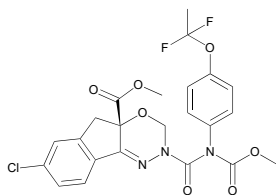


CAS 144171-61-9 MF C<sub>22</sub>H<sub>17</sub>ClF<sub>3</sub>N<sub>3</sub>O<sub>7</sub> MW 527.83 PS S SG 1.44 g/cm<sup>3</sup> MP 88.1 °C SOL M,A,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-829N	10 mg
100 µg/mL in ACN	P-829S-CN	1 mL
1000 µg/mL in ACN	P-829S-CN-10X	1 mL

## S-Indoxacarb

Methyl (S)-N-[7-chloro-2,3,4a,5-tetrahydro-4a-(methoxycarbonyl)indeno[1,2-e][1,3,4]oxadiazin-2-ylcarbonyl]-4'-(trifluoromethoxy)carbanilate

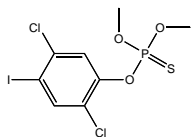


CAS 173584-44-6 MF C<sub>22</sub>H<sub>17</sub>ClF<sub>3</sub>N<sub>3</sub>O<sub>7</sub> MW 527.84 PS S SG 1.44 g/cm<sup>3</sup> MP 88 °C BP decomp. 235 °C SOL A,CN,M,T

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1233S-A	1 mL
1000 µg/mL in Acetone	P-1233S-A-10X	1 mL

## Iodofenphos

O-2,5-Dichloro-4-iodophenyl O,O-dimethyl phosphorothioate



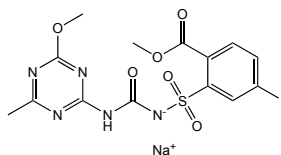
Iodofenphos

CAS 18181-70-9 MF C<sub>8</sub>H<sub>6</sub>Cl<sub>2</sub>IO<sub>3</sub>PS MW 413 PS S SG 1.87 g/cm<sup>3</sup> MP 75 °C SOL M,A,D,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-379N	10 mg
100 µg/mL in MeOH	P-379S	1 mL

## Iodosulfuron-methyl-sodium

Methyl-4-iodo-2-[3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-ureidosulfonyl]benzoate sodium salt



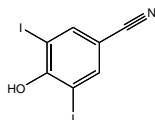
Iodosulfuron methyl ester sodium salt

CAS 144550-36-7 MF C<sub>14</sub>H<sub>13</sub>IN<sub>3</sub>NaO<sub>6</sub>S MW 529.27 PS S SG 1.76 g/cm<sup>3</sup> MP 152 °C BP Decomp. 155 °C SOL H,T,M,CN,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-830N	10 mg
100 µg/mL in ACN	P-830S-CN	1 mL

## Ioxynil

4-Hydroxy-3,5-diiodobenzonitrile

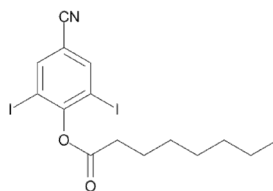


CAS 1689-83-4 MF C<sub>7</sub>H<sub>3</sub>I<sub>2</sub>NO MW 370.91 PS S SG 2.71 g/cm<sup>3</sup> MP 212-213 °C BP 283 °C (0.013kPA) SOL M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-522N	10 mg
100 µg/mL in MeOH	P-522S	1 mL

## Ioxynil octanoate

3,5-Diiodo-4-hydroxybenzonitrile octanoate

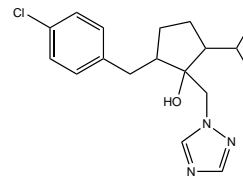


CAS 3861-47-0 MF C<sub>15</sub>H<sub>17</sub>I<sub>2</sub>NO<sub>2</sub> MW 497.1 PS S SG 1.81 g/cm<sup>3</sup> MP 57 °C BP Decomp. 218 °C SOL A,EA,M,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1329S-CN	1 mL

## Ipconazole

2-[(4-Chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol

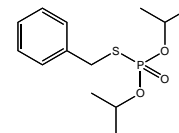


CAS 125225-28-7 MF C<sub>18</sub>H<sub>24</sub>ClN<sub>3</sub>O MW 333.86 PS S SG 1.20 g/cm<sup>3</sup> MP 88-89 °C BP 400 °C SOL A,EA,M,CN,D,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-958S-CN	1 mL
1000 µg/mL in ACN	P-958S-CN-10X	1 mL

## Iprobenfos

S-Benzyl O,O-diisopropyl phosphorothioate



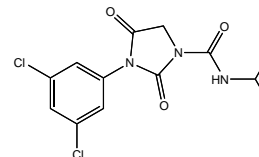
IBP, Kitazin

CAS 26087-47-8 MF C<sub>13</sub>H<sub>21</sub>O<sub>3</sub>PS MW 288.37 PS L SG 1.03 g/cm<sup>3</sup> BP 126 °C (1.12mm Hg) FP 168 °C SOL M,A,T,CN,D,EA,W

Matrix	Cat. No.	Unit
NEAT	P-609N	10 mg
100 µg/mL in MeOH	P-609S	1 mL
1000 µg/mL in Acetone	P-609S-A-10X	1 mL

## Iprodione

3-(3,5-Dichlorophenyl)-N-isopropyl-2,4-dioximidazolidine-1-carboxamide



Glycophene

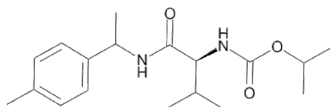
CAS 36734-19-7 MF C<sub>13</sub>H<sub>13</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub> MW 330.17 PS S SG 1.00 g/cm<sup>3</sup> MP 134 °C FP 150 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-016N	10 mg
100 µg/mL in ACN	P-016S-CN	1 mL
100 µg/mL in Acetone	P-016S-A	1 mL
1000 µg/mL in Acetone	P-016S-A-10X	1 mL

# Individual Pesticides

## Iprovalicarb

Isopropyl-2-methyl-1-[(1-p-tolylolethyl)carbamoyl]-  
(S)-propylcarbamate

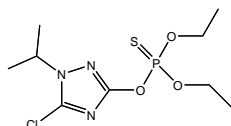


**CAS** 140923-17-7 **MF** C<sub>18</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub> **MW** 320.43  
**PS** S **SG** 1.11 g/cm<sup>3</sup> **MP** 164 °C  
**SOL** T,A,EA,D,M,CN

Matrix	Cat. No.	Unit
NEAT	P-831N	10 mg
100 µg/mL in ACN	P-831S-CN	1 mL
1000 µg/mL in Acetone	P-831S-A-10X	1 mL

## Isazophos

O-5-Chloro-1-isopropyl-1H-1,2,4-triazol-3-yl  
O,O-diethyl phosphorothioate



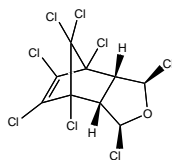
Isazofos

**CAS** 42509-80-8 **MF** C<sub>9</sub>H<sub>17</sub>ClN<sub>3</sub>O<sub>3</sub>PS **MW** 313.74  
**PS** L **SG** 1.23 g/cm<sup>3</sup> **BP** 170 °C  
**SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-449N	10 mg
100 µg/mL in MeOH	P-449S	1 mL
1000 µg/mL in MeOH	P-449S-10X	1 mL

## Isobenzan

1,3,4,5,6,7,8,8-Octachloro-1,3,3a,4,7,7a-hexahy-  
dro-4,7-methanoisobenzofuran



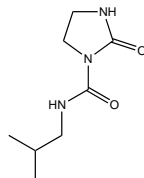
Telodrin

**CAS** 297-78-9 **MF** C<sub>9</sub>H<sub>4</sub>Cl<sub>8</sub>O **MW** 411.75 **PS** S  
**SG** 1.90 g/cm<sup>3</sup> **MP** 121 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-323S	1 mL

## Isocarbamid

N-(2-Methylpropyl)-2-oximidazolidine-1-carboxamide

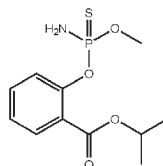


**CAS** 30979-48-7 **MF** C<sub>6</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub> **MW** 185.22 **PS** S  
**SG** 1.14 g/cm<sup>3</sup> **MP** 95-96 °C **FP** >100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-880S-CN	1 mL

## Isocarbophos

O-Methyl O-[2-(isopropoxycarbonyl)phenyl] phos-  
phoramidothioate



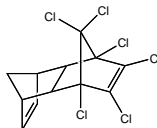
Isocarbofos

**CAS** 24353-61-5 **MF** C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub>PS **MW** 289.29  
**PS** S **SG** 1.35 g/cm<sup>3</sup> **MP** 56-57 °C **BP** 385 °C  
**FP** >150 °C **SOL** M,A,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-893N	10 mg
100 µg/mL in ACN	P-893S-CN	1 mL

## Isodrin

(1R,4S,5R,8S)-1,2,3,4,10,10-Hexachloro-  
1,4,4a,5,8,8a-hexahydro-1,4:5,  
8-dimethanonaphthalene

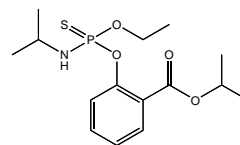


**CAS** 465-73-6 **MF** C<sub>12</sub>H<sub>8</sub>Cl<sub>6</sub> **MW** 364.91 **PS** S  
**MP** 239-241 °C **BP** Decomp. **SOL** M,A,D,H,T,EA

Matrix	Cat. No.	Unit
NEAT	P-471N	10 mg
100 µg/mL in MeOH	P-471S	1 mL
1000 µg/mL in MeOH	P-471S-10X	1 mL

## Isufenphos

O-Ethyl O-2-isopropoxycarbonylphenyl isopropyl-  
phosphoramidothioate

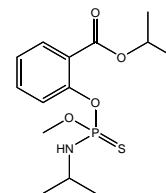


**CAS** 25311-71-1 **MF** C<sub>15</sub>H<sub>24</sub>NO<sub>4</sub>PS **MW** 345.4  
**PS** L **SG** 1.13 g/cm<sup>3</sup> **BP** 120 °C (0.0013kPa)  
**FP** >115 °C **SOL** M,A,D,H,EA,T,IPA

Matrix	Cat. No.	Unit
NEAT	P-018N	10 mg
100 µg/mL in MeOH	P-018S	1 mL
1000 µg/mL in Acetone	P-018S-A-10X	1 mL

## Isufenphos-methyl

1-Methylethyl 2-[[methoxy[(1-methylethyl)amino]phos-  
phinothioyl]oxy]benzoate

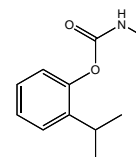


**CAS** 99675-03-3 **MF** C<sub>14</sub>H<sub>22</sub>NO<sub>4</sub>PS **MW** 331.37  
**PS** L **SG** 1.2 g/cm<sup>3</sup> **BP** 398 °C **FP** 194 °C  
**SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-984N	10 mg
100 µg/mL in MeOH	P-984S	1 mL
1000 µg/mL in MeOH	P-984S-10X	1 mL

## Isoprocarb

o-Cumenyl methylcarbamate



MIPC

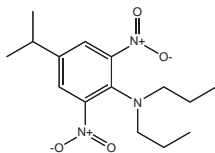
**CAS** 2631-40-5 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub> **MW** 193.25 **PS** S  
**SG** 0.62 g/cm<sup>3</sup> **MP** 93-96 °C **BP** 128-129 °C  
(20mm Hg) **FP** 114 °C **SOL** H,T,A,EA,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-317N	10 mg
100 µg/mL in MeOH	P-317S	1 mL
1000 µg/mL in ACN	P-317S-CN-10X	1 mL

# Individual Pesticides

## Isopropalin

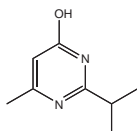
4-Isopropyl-2,6-dinitro-N,N-dipropylaniline



**CAS** 33820-53-0 **MF** C<sub>18</sub>H<sub>23</sub>N<sub>3</sub>O<sub>4</sub> **MW** 309.36 **PS** L  
**FP** 40 °C **SOL** M,A,D,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-100N	10 mg
100 µg/mL in MeOH	P-100S	1 mL

## 2-Isopropyl-6-methyl-4-pyrimidinol

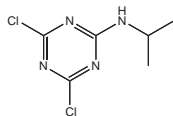


2-Isopropyl-4-methyl-6-pyrimidinol

**CAS** 2814-20-2 **MF** C<sub>8</sub>H<sub>12</sub>N<sub>2</sub>O **MW** 152.19 **PS** S  
**MP** 172-175 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-631N	10 mg
100 µg/mL in MeOH	P-631S	1 mL

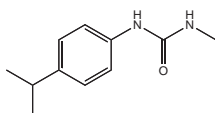
## 2-Isopropylamino-4,6-dichloro-s-triazine



**CAS** 3703-10-4 **MF** C<sub>6</sub>H<sub>6</sub>Cl<sub>2</sub>N<sub>4</sub> **MW** 207.06 **PS** S  
**SOL** M

Matrix	Cat. No.	Unit
NEAT	P-635N	10 mg
100 µg/mL in MeOH	P-635S	1 mL

## 1-(4-Isopropylphenyl)-3-methylurea



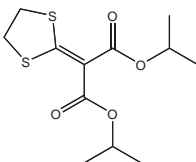
Desmethyl isoproturon

**CAS** 34123-57-4 **MF** C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O **MW** 192.26  
**PS** S **SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1040S	1 mL

## Isoprotiolane

Diisopropyl 1,3-dithiolan-2-ylidenemalonate

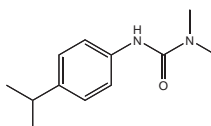


**CAS** 50512-35-1 **MF** C<sub>12</sub>H<sub>18</sub>O<sub>2</sub>S<sub>2</sub> **MW** 290.4 **PS** S  
**SG** 1.04 g/cm<sup>3</sup> **MP** 54 °C **FP** 159 °C  
**BP** 167-169 °C (0.5mm Hg) **SOL** M,A,H,CN

Matrix	Cat. No.	Unit
NEAT	P-661N	10 mg
100 µg/mL in MeOH	P-661S	1 mL
1000 µg/mL in Acetone	P-661S-A-10X	1 mL

## Isoproturon

3-(4-Isopropylphenyl)-1,1-dimethylurea



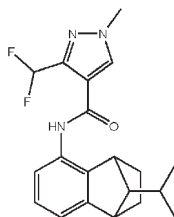
N,N-Dimethyl-N'-(4-(1-methylethyl)phenyl)urea

**CAS** 34123-59-6 **MF** C<sub>12</sub>H<sub>18</sub>N<sub>2</sub>O **MW** 206.28  
**PS** S **SG** 1.16 g/cm<sup>3</sup> **MP** 158 °C **FP** 100 °C  
**SOL** M,A,CN,D

Matrix	Cat. No.	Unit
NEAT	P-302N	10 mg
100 µg/mL in MeOH	P-302S	1 mL
1000 µg/mL in MeOH	P-302S-10X	1 mL

## Isopyrazam

3-(Difluoromethyl)-1-methyl-N-(1,2,3,4-tetrahydro-9-(1-methylethyl)-1,4-methanonaphthalen-5-yl)-1H-pyrazole-4-carboxamide

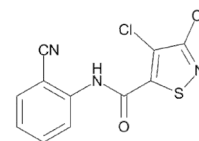


**CAS** 881685-58-1 **MF** C<sub>20</sub>H<sub>23</sub>F<sub>2</sub>N<sub>3</sub>O **MW** 359.41  
**PS** S **SG** 1.33 g/cm<sup>3</sup> **MP** 137 °C **BP** 267 °C  
**SOL** A,D,H,T,CN,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1159S-CN	1 mL
1000 µg/mL in ACN	P-1159S-CN-10X	1 mL

## Isotianil

3,4-Dichloro-N-(2-cyanophenyl)-1,2-thiazole-5-carboxamide

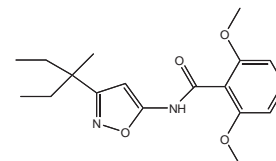


**CAS** 224049-04-1 **MF** C<sub>11</sub>H<sub>5</sub>Cl<sub>2</sub>N<sub>3</sub>OS **MW** 298.1  
**PS** S **SG** 1.59 g/cm<sup>3</sup> **MP** 193-195 °C **SOL** A

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1292S-A	1 mL

## Isoxaben

2,6-Dimethoxy-N-[3-(3-methyl-3-pentanyl)-1,2-oxazol-5-yl]benzamide

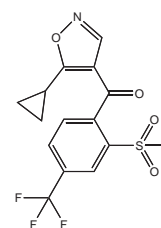


**CAS** 82558-50-7 **MF** C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>4</sub> **MW** 332.39 **PS** S  
**SG** 0.58 g/cm<sup>3</sup> **MP** 176-179 °C  
**SOL** M,A,CN,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-533N	10 mg
100 µg/mL in MeOH	P-533S	1 mL
1000 µg/mL in MeOH	P-533S-10X	1 mL

## Isoxaflutole

5-Cyclopropyl-1,2-oxazol-4-yl a,a,a-trifluoro-2-mesylyl-p-tolyl ketone



**CAS** 141112-29-0 **MF** C<sub>15</sub>H<sub>12</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub> **MW** 359.32  
**PS** S **SG** 1.59 g/cm<sup>3</sup> **MP** 140 °C **FP** >130 °C  
**SOL** A,EA,T,M,CN,D

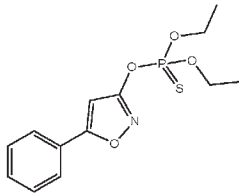
Matrix	Cat. No.	Unit
NEAT	P-832N	10 mg
100 µg/mL in ACN	P-832S-CN	1 mL



# Individual Pesticides

## Isoxathion

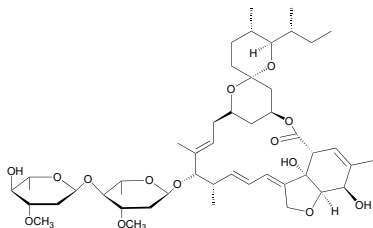
O,O-Diethyl O-(5-phenyl-1,2-oxazol-3-yl) phosphorothioate



CAS 18854-01-8 MF C<sub>13</sub>H<sub>16</sub>NO<sub>4</sub>PS MW 313.31  
PS L SG 1.23 g/cm<sup>3</sup> BP 160 °C (0.15mm Hg)  
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-1096N	10 mg
100 µg/mL in ACN	P-1096S-CN	1 mL

## Ivermectin

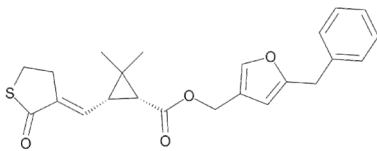


CAS 70288-86-7 MF C<sub>48</sub>H<sub>74</sub>O<sub>14</sub> MW 875.11 PS S  
MP 155 °C SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1084S-CN	1 mL
1000 µg/mL in ACN	P-1084S-CN-10X	1 mL

## Kadethrine

5-Benzyl-3-furylmethyl (E)-(1R,3S)-2,2-dimethyl-3-(2-oxo-thiolan-3-ylidene)methyl cyclopropanecarboxylate



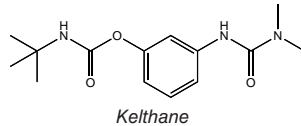
RU 15525

CAS 58769-20-3 MF C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>S MW 396.5 PS L  
SG 1.28 g/cm<sup>3</sup> FP >100 °C SOL M,A,D

Matrix	Cat. No.	Unit
NEAT	P-367N	10 mg
100 µg/mL in MeOH	P-367S	1 mL

## Karbutilate

3-(3,3-Dimethyleureido)phenyl tert-butylcarbamate



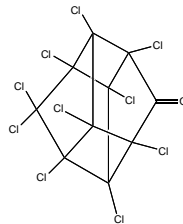
Kelthane

CAS 4849-32-5 MF C<sub>14</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub> MW 279.33 PS S  
SG 1.15 g/cm<sup>3</sup> MP 176-176.5 °C FP >100 °C  
SOL M,CN,EA,A,IPA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-337N	10 mg
100 µg/mL in MeOH	P-337S	1 mL

## Kepone

Decachlorotetracyclodecanone



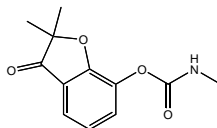
Chlordecone

CAS 143-50-0 MF C<sub>10</sub>Cl<sub>10</sub>O MW 490.63 PS S  
SG 1.64 g/cm<sup>3</sup> MP 350 °C FP >100 °C  
SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-152N	10 mg
100 µg/mL in MeOH	P-152S	1 mL
1000 µg/mL in MeOH	P-152S-10X	1 mL

## 3-Ketocarbofuran

2,2-Dimethyl-7-(((methylamino)carbonyl)oxy)-3(2H)-benzofuranone



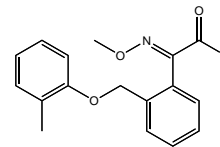
Carbofuran-3-keto

CAS 16709-30-1 MF C<sub>12</sub>H<sub>13</sub>NO<sub>4</sub> MW 235.24 PS S  
SG 1.23 g/cm<sup>3</sup> MP 187-188 °C FP >100 °C  
SOL M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-298S-A	1 mL

## Kresoxim-methyl

Methyl-methoxyimino- $\alpha$ -(o-tolyoxy)-o-tolylacetate



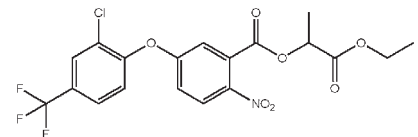
BAS 490 F

CAS 143390-89-0 MF C<sub>18</sub>H<sub>19</sub>NO<sub>4</sub> MW 313.35  
PS S SG 1.26 g/cm<sup>3</sup> MP 102 °C BP Decomp. 310 °C  
SOL M,A,H,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-740N	10 mg
100 µg/mL in MeOH	P-740S	1 mL
1000 µg/mL in Acetone	P-740S-A-10X	1 mL

## Lactofen

1-Ethoxy-1-oxo-2-propanyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate

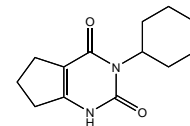


CAS 77501-63-4 MF C<sub>18</sub>H<sub>15</sub>ClF<sub>3</sub>NO<sub>7</sub> MW 461.77  
PS S SG 1.40 g/cm<sup>3</sup> MP 43-45 °C SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-979N	10 mg
100 µg/mL in ACN	P-979S-CN	1 mL
1000 µg/mL in ACN	P-979S-CN-10X	1 mL

## Lenacil

3-Cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3H)-dione



3-Cyclohexyl-5,6-trimethyleneuracil

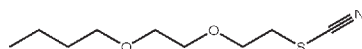
CAS 2164-08-1 MF C<sub>13</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> MW 234.29 PS S  
SG 1.32 g/cm<sup>3</sup> MP 316-317 °C (decomp.)  
SOL A,T,H,EA,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-649N	10 mg
100 µg/mL in MeOH	P-649S	1 mL
1000 µg/mL in MeOH	P-649S-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## 2-(2-Butoxyethoxy)ethyl thiocyanate



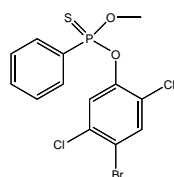
Lethane 384

CAS 112-56-1 MF C<sub>9</sub>H<sub>17</sub>NO<sub>2</sub>S MW 203.33 PS L  
SG 0.92 g/cm<sup>3</sup> BP 120-125 °C FP 125 °C  
SOL M, N, A, H, D, T, EA

Matrix	Cat. No.	Unit
NEAT	P-506N	10 mg
100 µg/mL in MeOH	P-506S	1 mL

## Leptophos

O-4-Bromo-2,5-dichlorophenyl  
O-methyl phenylphosphonothioate



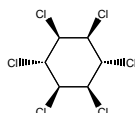
Phosvel

CAS 21609-90-5 MF C<sub>13</sub>H<sub>10</sub>BrCl<sub>2</sub>O<sub>2</sub>PS MW 412.07  
PS S SG 1.53 MP 70 °C SOL M, A, D, H, T, CN, TD

Matrix	Cat. No.	Unit
NEAT	P-206N	10 mg
100 µg/mL in MeOH	P-206S	1 mL
1000 µg/mL in MeOH	P-206S-10X	1 mL
1000 µg/mL in Hexane	P-206S-H-10X	1 mL

## Lindane

1,2,3,4,5,6-Hexachlorocyclohexane



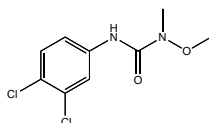
g-BHC, g-HCH, Lindane

CAS 58-89-9 MF C<sub>6</sub>H<sub>6</sub>Cl<sub>6</sub> MW 290.83 PS S  
SG 1.88 g/cm<sup>3</sup> MP 113-115 °C BP 311 °C  
SOL M, A, D, H, T, CN, TP, EA

Matrix	Cat. No.	Unit
NEAT	P-059N	10 mg
100 µg/mL in MeOH	P-059S	1 mL
1000 µg/mL in MeOH	P-059S-10X	1 mL
1000 µg/mL in Acetone	P-059S-A-10X	1 mL

## Linuron

3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea

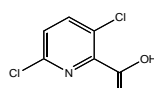


CAS 330-55-2 MF C<sub>9</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub> MW 249.11 PS S  
SG 1.49 g/cm<sup>3</sup> MP 93-94 °C  
SOL M, A, D, H, CN, TP, EA, T

Matrix	Cat. No.	Unit
NEAT	P-022N	10 mg
100 µg/mL in MeOH	P-022S	1 mL
1000 µg/mL in ACN	P-022S-CN-10X	1 mL

## Clopyralid

3,6-Dichloropyridine-2-carboxylic acid



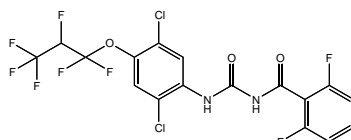
Lontrel

CAS 1702-17-6 MF C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>NO<sub>2</sub> MW 192 PS S  
SG 1.61 g/cm<sup>3</sup> MP 151-153 °C  
SOL M, A, D, CN, EA, H, W

Matrix	Cat. No.	Unit
NEAT	P-224N	10 mg
100 µg/mL in MeOH	P-224S	1 mL

## Lufenuron

(RS)-1-[2,5-Dichloro-4-(1,1,2,3,3,3-hexafluoro-  
propoxy)phenyl]-3-(2,6-difluorobenzoyl)urea



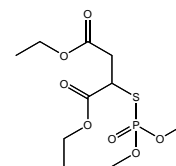
CAS 103055-07-8 MF C<sub>17</sub>H<sub>8</sub>Cl<sub>2</sub>F<sub>8</sub>N<sub>2</sub>O<sub>3</sub> MW 511.15  
SG 1.66 g/cm<sup>3</sup> MP 165-168 °C  
SOL A, EA, H, T, M, CN, D

Matrix	Cat. No.	Unit
NEAT	P-704N	10 mg
100 µg/mL in MeOH	P-704S	1 mL
1000 µg/mL in Acetone	P-704S-A-10X	1 mL

▲ May esterify in methanol

## Malaoxon

Diethyl 2-[(dimethoxyphosphoryl)sulfanyl]succinate



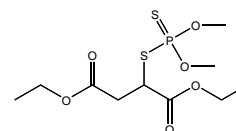
Malathion-O-analog

CAS 1634-78-2 MF C<sub>10</sub>H<sub>18</sub>O<sub>6</sub>PS MW 314.1 PS L  
FP >100 °C SOL M, A, D, T, CN, TP, EA

Matrix	Cat. No.	Unit
NEAT	P-529N	10 mg
100 µg/mL in MeOH	P-529S	1 mL
1000 µg/mL in MeOH	P-529S-10X	1 mL

## Malathion

Diethyl[(dimethoxyphosphinothioyl)thio]butanedioate



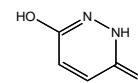
Phosphothion

CAS 121-75-5 MF C<sub>10</sub>H<sub>18</sub>O<sub>6</sub>PS<sub>2</sub> MW 330.36 PS L  
SG 1.23 g/cm<sup>3</sup> BP 156-157 °C (0.7mm Hg)  
FP 163 °C SOL M, A, D, H, T, CN, TP, EA

Matrix	Cat. No.	Unit
NEAT	P-060N	10 mg
100 µg/mL in MeOH	P-060S	1 mL
1000 µg/mL in MeOH	P-060S-10X	1 mL
1000 µg/mL in Acetone	P-060S-A-10X	1 mL
1000 µg/mL in Hexane	P-060S-H-10X	1 mL

## Maleic hydrazide

3,6-Dihydropyridazine



1,2-Dihydro-3,6-pyridazinedione

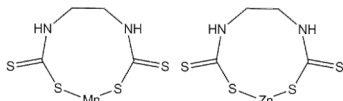
CAS 123-33-1 MF C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub> MW 112.09 PS S  
SG 1.61 g/cm<sup>3</sup> MP 300 °C FP 300 °C  
SOL M, T, H, EA, CN, W

Matrix	Cat. No.	Unit
NEAT	P-380N	10 mg
100 µg/mL in MeOH	P-380S	1 mL

# Individual Pesticides

## Mancozeb

Manganese zinc ethylenebis(dithiocarbamate)



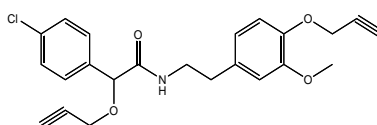
Manzeb

**CAS** 8018-01-7 **MF** C<sub>4</sub>H<sub>6</sub>MnN<sub>2</sub>S<sub>4</sub>/C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>S<sub>4</sub>Zn  
**MW** 265.31/275.76 **PS** S **SG** 1.99 g/cm<sup>3</sup>  
**MP** 192-204 °C (decomp.) **FP** 138 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-322N	10 mg

## Mandipropamid

2-(4-Chlorophenyl)-N-[2-[3-methoxy-4-(prop-2-ynoxy)phenyl]ethyl]-2-(prop-2-ynoxy)acetamide

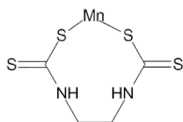


**CAS** 374726-62-2 **MF** C<sub>23</sub>H<sub>22</sub>ClNO<sub>4</sub> **MW** 411.88  
**PS** S **SG** 1.24 g/cm<sup>3</sup> **MP** 97°C **BP** Decomp. 200 °C  
**FP** >200 °C **SOL** A,EA,T,D,CN,M

Matrix	Cat. No.	Unit
NEAT	P-1023N	10 mg
100 µg/mL in ACN	P-1023S-CN	1 mL
1000 µg/mL in ACN	P-1023S-CN-10X	1 mL

## Maneb

[1,2-Ethanediybis(carbamodithioato)(2-)]manganese



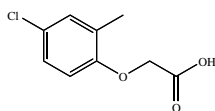
MEB, Manganese ethylenebis(dithiocarbamate)

**CAS** 12427-38-2 **MF** C<sub>4</sub>H<sub>6</sub>MnN<sub>2</sub>S<sub>4</sub> **MW** 265.31  
**PS** S **SG** 1.92 g/cm<sup>3</sup> **MP** Decomp. **SOL** EA,A

Matrix	Cat. No.	Unit
NEAT	P-282N	10 mg

## MCPA acid

4-Chloro-o-tolyloxyacetic acid

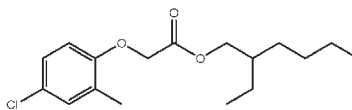


Methoxone

**CAS** 94-74-6 **MF** C<sub>9</sub>H<sub>9</sub>ClO<sub>3</sub> **MW** 200.62 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 119-120 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-153N	10 mg
100 µg/mL in MeOH	P-153S	1 mL
100 µg/mL in ACN	P-153S-CN	1 mL

## MCPA 2-ethylhexyl ester

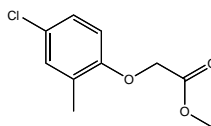


**CAS** 29450-45-1 **MF** C<sub>17</sub>H<sub>25</sub>ClO<sub>3</sub> **MW** 312.83 **PS** L  
**SG** 1.06 g/cm<sup>3</sup> **BP** 168-169 °C (0.75mm Hg)  
**FP** >100 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-1082N	10 mg
100 µg/mL in MeOH	P-1082S	1 mL

## MCPA methyl ester

Methyl 4-chloro-2-methylphenoxyacetate



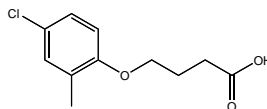
4-Chloro-o-tolyloxyacetic acid, methyl ester

**CAS** 2436-73-9 **MF** C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub> **MW** 214.65 **PS** L  
**SG** 1.20 g/cm<sup>3</sup> **BP** 127 °C (3mm Hg)  
**SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-038N	10 mg
100 µg/mL in MeOH	P-038S	1 mL

## MCPB acid

4-(4-Chloro-o-tolyloxy)butyric acid



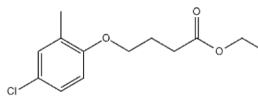
2,4-MCPB

**CAS** 94-81-5 **MF** C<sub>11</sub>H<sub>13</sub>ClO<sub>3</sub> **MW** 228.67 **PS** S  
**SG** 1.23 g/cm<sup>3</sup> **MP** 100 °C **BP** >280 °C  
**SOL** M,A,D,CN,EA,H,T

Matrix	Cat. No.	Unit
NEAT	P-370N	10 mg
100 µg/mL in MeOH	P-370S	1 mL

## MCPB ester

Ethyl 4-(4-chloro-2-methylphenoxy)butanoate

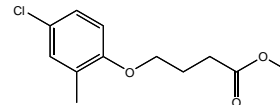


**CAS** 10443-70-6 **MF** C<sub>13</sub>H<sub>17</sub>ClO<sub>3</sub> **MW** 256.73 **PS** L  
**SG** 1.13 g/cm<sup>3</sup> **BP** Decomp. 150 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1347S-CN	1 mL

## MCPB methyl ester

Methyl 4-(4-chloro-2-methylphenoxy)butyrate

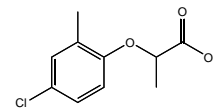


**CAS** 57153-18-1 **MF** C<sub>12</sub>H<sub>15</sub>ClO<sub>3</sub> **MW** 242.7 **PS** L  
**BP** 138-140 °C (5.25mm Hg) **SOL** M,D,H,TP

Matrix	Cat. No.	Unit
NEAT	P-371N	10 mg
100 µg/mL in MeOH	P-371S	1 mL

## MCPP acid

2-(4-Chloro-2-methylphenoxy)propanoic acid



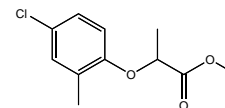
Mechlorprop, Mecoprop acid

**CAS** 7085-19-0 **MF** C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub> **MW** 214.65 **PS** S  
**SG** 1.26 g/cm<sup>3</sup> **MP** 93-94 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-154N	10 mg
100 µg/mL in MeOH	P-154S	1 mL
100 µg/mL in ACN	P-154S-CN	1 mL

## MCPP methyl ester

Methyl 2-(4-chloro-2-methylphenoxy)propanoate



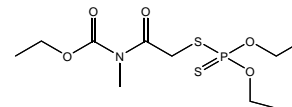
Mecoprop methyl ester

**CAS** 23844-56-6 **MF** C<sub>11</sub>H<sub>13</sub>ClO<sub>3</sub> **MW** 228.67 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 95-96 °C **FP** 100 °C  
**SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-040N	10 mg
100 µg/mL in MeOH	P-040S	1 mL

## Mecarbam

S-(N-Ethoxycarbonyl-N-methylcarbamoylmethyl) O,O-diethyl phosphorodithioate



**CAS** 2595-54-2 **MF** C<sub>10</sub>H<sub>20</sub>NO<sub>5</sub>PS<sub>2</sub> **MW** 329.38  
**PS** L **SG** 1.22 g/cm<sup>3</sup> **BP** 144 °C (0.02mm Hg)  
**FP** >100 °C **SOL** M,A,CN,W

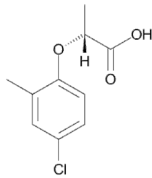
Matrix	Cat. No.	Unit
NEAT	P-318N	10 mg
100 µg/mL in MeOH	P-318S	1 mL
1000 µg/mL in ACN	P-318S-CN-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Mecoprop-P

(R)-(+)-2-(4-Chloro-2-methylphenoxy)propionic acid

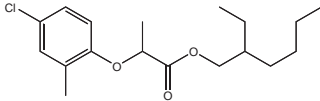


**CAS** 16484-77-8 **MF** C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub> **MW** 214.65 **PS** S  
**SG** 1.31 g/cm<sup>3</sup> **MP** 95-96 °C **FP** 70-80 °C  
**SOL** A,EA,M,W,T,D,H

Matrix	Cat. No.	Unit
NEAT	P-1053N	10 mg
100 µg/mL in Acetone	P-1053S-A	1 mL

## Mecoprop-2-ethylhexyl ester

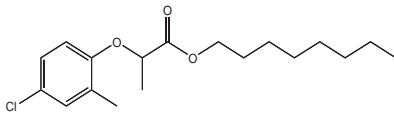
2-Ethylhexyl 2-(4-chloro-2-ethylphenoxy)propanoate



**CAS** 71526-69-7 **MF** C<sub>18</sub>H<sub>27</sub>ClO<sub>3</sub> **MW** 326.86 **PS** S  
**SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-502N	10 mg
100 µg/mL in MeOH	P-502S	1 mL

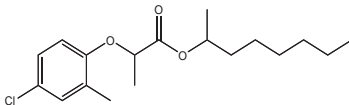
## Mecoprop-1-octyl ester



**CAS** 161922-37-8 **MF** C<sub>18</sub>H<sub>27</sub>ClO<sub>3</sub> **MW** 326.86 **PS** L

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1028S-CN	1 mL

## Mecoprop-2-octyl ester

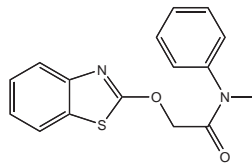


**CAS** 28473-03-2 **MF** C<sub>18</sub>H<sub>27</sub>ClO<sub>3</sub> **MW** 326.86 **PS** L  
**BP** >100 °C (0.2mm Hg) **FP** 100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-1029N	10 mg
100 µg/mL in ACN	P-1029S-CN	1 mL

## Mefenacet

2-(1,3-Benzothiazol-2-yloxy)-N-methylacetanilide



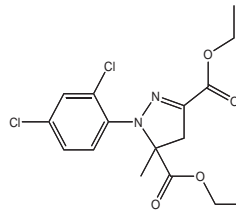
Hinochloa

**CAS** 73250-68-7 **MF** C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 298.38  
**PS** S **SG** 1.32 g/cm<sup>3</sup> **MP** 134-135 °C **FP** >100 °C  
**SOL** D,H,T,IPA,M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-745N	10 mg
100 µg/mL in MeOH	P-745S	1 mL
1000 µg/mL in ACN	P-745S-A-10X	1 mL

## Mefenpyr-diethyl

1-(2,4-Dichlorophenyl)-4,5-dihydro-5-methyl-1H-pyrazole-3,5-dicarboxylic acid

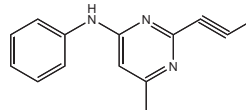


**CAS** 135590-91-9 **MF** C<sub>16</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub> **MW** 373.23  
**PS** S **SG** 1.31 g/cm<sup>3</sup> **MP** 51 °C **SOL** A,T,M,EA,CN

Matrix	Cat. No.	Unit
NEAT	P-1010N	10 mg
100 µg/mL in MeOH	P-1010S	1 mL
1000 µg/mL in MeOH	P-1010S-10X	1 mL

## Mepanipyrim

N-(4-Methyl-6-prop-1-ynylpyrimidin-2-yl)aniline

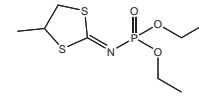


**CAS** 110235-47-7 **MF** C<sub>14</sub>H<sub>13</sub>N<sub>3</sub> **MW** 223.27 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 125-126 °C **BP** Decom. 288 °C  
**FP** 131 °C **SOL** A,M,H,EA,T,D,CN

Matrix	Cat. No.	Unit
NEAT	P-855N	10 mg
100 µg/mL in ACN	P-855S-CN	1 mL
1000 µg/mL in ACN	P-855S-CN-10X	1 mL

## Mephosfolan

Diethyl-4-methyl-1,3-dithiolan-2-ylidene phosphoramidate

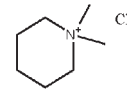


**CAS** 950-10-7 **MF** C<sub>8</sub>H<sub>16</sub>NO<sub>3</sub>PS<sub>2</sub> **MW** 269.32 **PS** L  
**SG** 1.54 g/cm<sup>3</sup> **BP** 120 °C (0.001mm Hg)  
**SOL** M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-718N	10 mg
100 µg/mL in MeOH	P-718S	1 mL

## Mepiquat chloride

1,1-Dimethylpiperidinium chloride

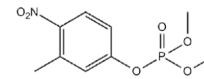


**CAS** 24307-26-4 **MF** C<sub>7</sub>H<sub>16</sub>ClN **MW** 149.66 **PS** S  
**SG** 1.16 g/cm<sup>3</sup> **MP** 223 °C **BP** Decom. 285 °C  
**FP** >200 °C **SOL** M,A,T,W

Matrix	Cat. No.	Unit
NEAT	P-1062N	10 mg
100 µg/mL in MeOH	P-1062S	1 mL

## MEP Oxon

Dimethyl 3-methyl-4-nitrophenyl phosphate



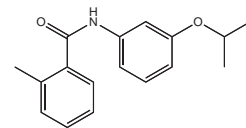
Fenitrothion-oxon

**CAS** 2255-17-6 **MF** C<sub>9</sub>H<sub>12</sub>NO<sub>6</sub>P **MW** 261.17 **PS** L  
**BP** 134-136 °C (0.093hPa) **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1344S	1 mL

## Mepronil

3'-Isopropoxy-o-toluanilide



Basitac

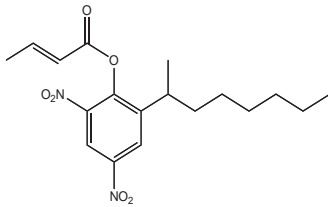
**CAS** 55814-41-0 **MF** C<sub>17</sub>H<sub>19</sub>NO<sub>2</sub> **MW** 269.37 **PS** S  
**SG** 1.11 g/cm<sup>3</sup> **MP** 94 °C **SOL** M,A,CN,H,T,EA,D

Matrix	Cat. No.	Unit
NEAT	P-736N	10 mg
100 µg/mL in MeOH	P-736S	1 mL
1000 µg/mL in Acetone	P-736S-A-10X	1 mL

# Individual Pesticides

## Meptyldinocap

2-(1-Methylheptyl)-4,6-dinitrophenyl (2E)-2-butenate

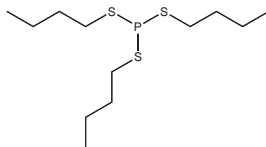


**CAS** 131-72-6 **MF** C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>6</sub> **MW** 364.39 **PS** L  
**SG** 1.11 g/cm<sup>3</sup> **BP** Decomp. 200 °C **FP** 30 °C  
**SOL** M,A,T,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1043S	1 mL

## Merphos

Tributylphosphorothioite



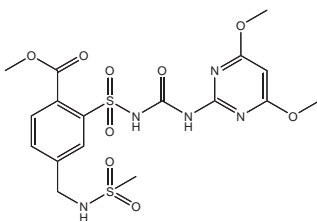
Folex

**CAS** 150-50-5 **MF** C<sub>12</sub>H<sub>27</sub>PS<sub>3</sub> **MW** 298.51 **PS** L  
**SG** 0.99 g/cm<sup>3</sup> **BP** 115-134 °C (0.011 kPa)  
**FP** 146 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-124N	10 mg
100 µg/mL in MeOH	P-124S	1 mL
1000 µg/mL in Hexane	P-124S-H-10X	1 mL

## Mesosulfuron-methyl

Methyl -2-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-[[[(methylsulfonyl)amino]methyl]benzoate

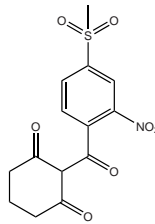


**CAS** 208465-21-8 **MF** C<sub>17</sub>H<sub>21</sub>N<sub>5</sub>O<sub>9</sub>S<sub>2</sub> **MW** 503.51  
**PS** S **SG** 1.48 g/cm<sup>3</sup> **MP** 195-196 °C **BP** Decomp.  
**SOL** M,CN,H,A,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-1044N	10 mg
100 µg/mL in ACN	P-1044S-CN	1 mL
1000 µg/mL in ACN	P-1044S-CN-10X	1 mL

## Mesotrione

2-[4-(Methylsulfonyl)-2-nitrobenzoyl]cyclohexane-1,3-dione

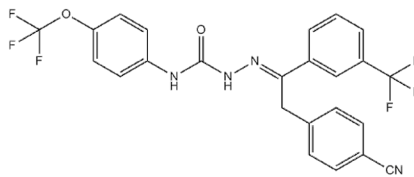


**CAS** 104206-82-8 **MF** C<sub>14</sub>H<sub>13</sub>NO<sub>7</sub>S **MW** 339.32  
**PS** L **SG** 1.49 g/cm<sup>3</sup> **MP** 165-166 °C  
**SOL** M,A,CN,EA,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-962S-CN	1 mL

## Metaflumizone

(E<sub>Z</sub>)-2'-[2-(4-Cyanophenyl)-1-(a,a,a-trifluoro-m-tolyl)ethylidene]-4-(trifluoromethoxy)carbanilohydrazide

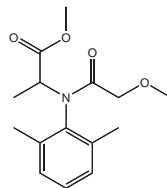


**CAS** 139968-49-3 **MF** C<sub>24</sub>H<sub>16</sub>F<sub>6</sub>N<sub>4</sub>O<sub>2</sub> **MW** 506.40  
**PS** S **SG** 1.46 g/cm<sup>3</sup> **MP** 133 °C  
**BP** Decomp. 232 °C **SOL** CN,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1090S-CN	1 mL

## Metalaxyl

Methyl N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alaninate

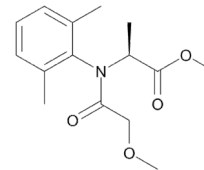


**CAS** 57837-19-1 **MF** C<sub>15</sub>H<sub>21</sub>NO<sub>4</sub> **MW** 279.33 **PS** S  
**SG** 1.20 g/cm<sup>3</sup> **MP** 72-73 °C **BP** 296 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-120N	10 mg
100 µg/mL in MeOH	P-120S	1 mL
1000 µg/mL in Acetone	P-120S-A-10X	1 mL

## Metalaxyl-M

Methyl N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-D-alaninate



Mefenoxam

**CAS** 70630-17-0 **MF** C<sub>15</sub>H<sub>21</sub>NO<sub>4</sub> **MW** 279.33 **PS** L  
**SG** 1.13 g/cm<sup>3</sup> **BP** Decomp. 270 °C **FP** 179 °C  
**SOL** M,A,T,H,CN,W

Matrix	Cat. No.	Unit
NEAT	P-874N	10 mg
100 µg/mL in MeOH	P-874S	1 mL

## Metaldehyde

2,4,6,8-Tetramethyl-1,3,5,7-tetraoxocane



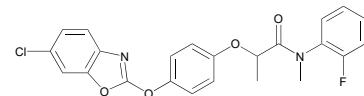
Metaldehyde homopolymer

**CAS** 9002-91-9 **MF** (C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub> **MW** (44.05)<sub>n</sub> **PS** S  
**SG** 1.27 g/cm<sup>3</sup> **MP** 190-196 °C **FP** 55 °C  
**SOL** M,A,CN,W,T

Matrix	Cat. No.	Unit
NEAT	P-600N	10 mg
100 µg/mL in MeOH	P-600S	1 mL
100 µg/mL in ACN	P-600S-CN	1 mL

## Metamifop

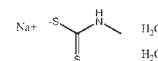
(2R)-2-[4-[(6-Chloro-1,3-benzoxazol-2-yl)oxy]phenoxy]-N-(2-fluorophenyl)-N-methylpropanamide



**CAS** 256412-89-2 **MF** C<sub>23</sub>H<sub>18</sub>ClFN<sub>2</sub>O<sub>4</sub> **MW** 440.86  
**PS** S **SG** 1.39 g/cm<sup>3</sup> **MP** 78 °C **BP** decomp.  
**SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1114S-CN	1 mL
1000 µg/mL in ACN	P-1114S-CN-10X	1 mL

## Metam-sodium dihydrate



Sodium N-methyldithiocarbamate, SMDC

**CAS** 6734-80-1 **MF** C<sub>2</sub>H<sub>4</sub>NNaS<sub>2</sub>•H<sub>2</sub>O **MW** 165.21  
**PS** S **SG** 1.44 g/cm<sup>3</sup> **MP** 86-90 °C **SOL** M

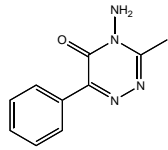
Matrix	Cat. No.	Unit
NEAT	P-381N	10 mg

▲ May esterify in methanol

# Individual Pesticides

## Metamitron

4-Amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one

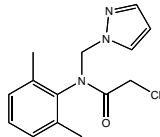


CAS 41394-05-2 MF C<sub>10</sub>H<sub>10</sub>N<sub>4</sub>O MW 202.21 PS S  
SG 1.34 g/cm<sup>3</sup> MP 166-167 °C BP Decomp. 250 °C  
SOL M,A,CN,EA,D,W,T,IPA

Matrix	Cat. No.	Unit
NEAT	P-252N	10 mg
100 µg/mL in MeOH	P-252S	1 mL
1000 µg/mL in MeOH	P-252S-10X	1 mL

## Metazachlor

2-Chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylylide

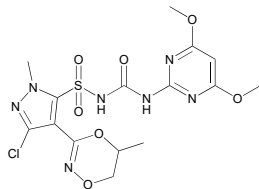


CAS 67129-08-2 MF C<sub>14</sub>H<sub>16</sub>ClN<sub>3</sub>O MW 277.75  
PS S SG 1.31 g/cm<sup>3</sup> MP 85 °C  
SOL M,A,H,CN,EA,T,D,W

Matrix	Cat. No.	Unit
NEAT	P-249N	10 mg
100 µg/mL in MeOH	P-249S	1 mL

## Metazosulfuron

1-{{3-Chloro-1-methyl-4-[(5RS)-5,6-dihydro-5-methyl-1,4,2-dioxazin-3-yl]pyrazol-5-ylsulfonyl}-3-(4,6-dimethoxyypyrimidin-2-yl)urea

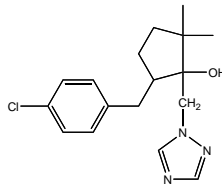


CAS 868680-84-6 MF C<sub>15</sub>H<sub>18</sub>ClN<sub>7</sub>O<sub>7</sub>S MW 475.86  
PS S SG 1.72 g/cm<sup>3</sup> MP 185 °C decomp. SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1220S-CN	1 mL
1000 µg/mL in ACN	P-1220S-CN-10X	1 mL

## Metconazole

(1RS,5RS:1RS,5SR)-5-(4-Chlorobenzyl)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol

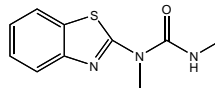


CAS 125116-23-6 MF C<sub>17</sub>H<sub>22</sub>ClN<sub>3</sub>O MW 319.83  
SG 1.31 g/cm<sup>3</sup> MP 110-113 °C BP 285 °C  
SOL M,A,T,H,CN,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-856N	10 mg
10 µg/mL in ACN	P-856S-CN-0.1X	1 mL
100 µg/mL in ACN	P-856S-CN	1 mL
1000 µg/mL in Acetone	P-856S-A-10X	1 mL

## Methabenzthiazuron

1-(1,3-Benzothiazol-2-yl)-1,3-dimethylurea

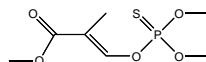


CAS 18691-97-9 MF C<sub>10</sub>H<sub>11</sub>N<sub>3</sub>OS MW 221.28  
PS S SG 1.33 g/cm<sup>3</sup> MP 119-121 °C  
SOL M,A,CN,EA,T,H,D,IPA

Matrix	Cat. No.	Unit
NEAT	P-563N	10 mg
100 µg/mL in MeOH	P-563S	1 mL
1000 µg/mL in Acetone	P-563S-A-10X	1 mL

## Methacrifos

(E)-3-[(Dimethoxyphosphinothioyl)oxy]-2-methyl-2-propenoic acid methyl ester

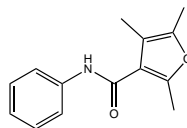


CAS 62610-77-9 MF C<sub>7</sub>H<sub>13</sub>O<sub>5</sub>PS MW 240.21 PS L  
SG 1.25 g/cm<sup>3</sup> BP 90 °C (0.01mm Hg)  
FP 69-73 °C SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-556N	10 mg
100 µg/mL in ACN	P-556S-CN	1 mL
1000 µg/mL in ACN	P-556S-CN-10X	1 mL

## Methfuroxam

2,4,5-Trimethyl-3-furanilid

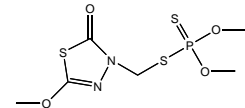


CAS 28730-17-8 MF C<sub>14</sub>H<sub>15</sub>NO<sub>2</sub> MW 229.27 PS S  
SG 1.15 g/cm<sup>3</sup> SOL A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-881S-CN	1 mL

## Methidathion

O,O-Dimethyl-S-(5-methoxy-1,3,4-thiadiazolyl-3-methyl) dithiophosphate



Suprathion

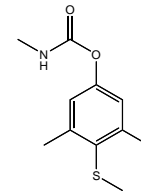
CAS 950-37-8 MF C<sub>6</sub>H<sub>11</sub>N<sub>2</sub>O<sub>4</sub>PS<sub>3</sub> MW 302.33  
PS S SG 1.51 g/cm<sup>3</sup> MP 40 °C FP 100 °C  
SOL M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-195N	10 mg
100 µg/mL in MeOH	P-195S ‡	1 mL

‡ V-Rated packaging surcharge applies for international shipments

## Methiocarb

4-Methylthio-3,5-xylyl methylcarbamate



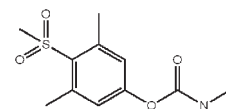
Mercaptodimethur

CAS 2032-65-7 MF C<sub>11</sub>H<sub>13</sub>NO<sub>2</sub>S MW 225.31 PS S  
SG 1.24 g/cm<sup>3</sup> MP 119 °C  
SOL M,A,D,T,CN,TP,EA,H,IPA

Matrix	Cat. No.	Unit
NEAT	P-156N	10 mg
100 µg/mL in ACN	P-156S-CN	1 mL
1000 µg/mL in ACN	P-156S-CN-10X	1 mL

## Methiocarb sulfone

3,5-Dimethyl-4-(methylsulfonyl)phenyl methylcarbamate



Mercaptodimethursulfon

CAS 2179-25-1 MF C<sub>11</sub>H<sub>13</sub>NO<sub>4</sub>S MW 257.31 PS S  
SOL M,CN

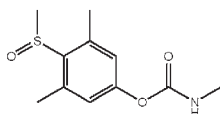
Matrix	Cat. No.	Unit
NEAT	P-570N	10 mg
100 µg/mL in ACN	P-570S-CN	1 mL



# Individual Pesticides

## Methiocarb sulfoxide

3,5-Dimethyl-4-(methylsulfinyl)phenyl methylcarbamate

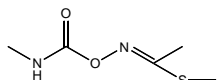


**CAS** 2635-10-1 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>3</sub>S **MW** 241.31 **PS** S  
**SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-650N	10 mg
100 µg/mL in MeOH	P-650S	1 mL

## Methomyl

S-Methyl N-(methylcarbamoyloxy)thioacetimidate



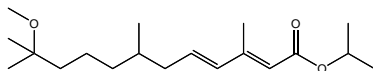
Lannate

**CAS** 16752-77-5 **MF** C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 162.21 **PS** S  
**SG** 1.29 g/cm<sup>3</sup> **MP** 78 °C **BP** Decomp. 192 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-032N	10 mg
100 µg/mL in MeOH	P-032S	1 mL
1000 µg/mL in MeOH	P-032S-10X	1 mL
1000 µg/mL in ACN	P-032S-CN-10X	1 mL

## Methoprene

Isopropyl (E,E)-(RS)-11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate

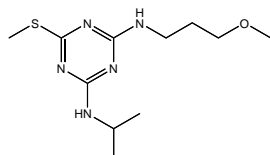


**CAS** 40596-69-8 **MF** C<sub>19</sub>H<sub>34</sub>O<sub>3</sub> **MW** 310.47 **PS** L  
**SG** 0.921 g/cm<sup>3</sup> **BP** 100 °C (0.05mm Hg) **FP** 96 °C  
**SOL** M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-157N	10 mg
100 µg/mL in MeOH	P-157S	1 mL

## Methoprotiryne

N-Isopropyl-N'-(3-methoxypropyl)-6-(methylsulfa-nyl)-1,3,5-triazine-2,4-diamine

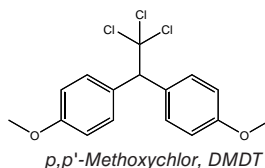


**CAS** 841-06-5 **MF** C<sub>17</sub>H<sub>21</sub>N<sub>5</sub>OS **MW** 271.38 **PS** S  
**SG** 1.19 g/cm<sup>3</sup> **MP** 68-70 °C **FP** >100 °C  
**SOL** M,A,CN,EA,D,H,T

Matrix	Cat. No.	Unit
NEAT	P-564N	10 mg
100 µg/mL in MeOH	P-564S	1 mL
1000 µg/mL in MeOH	P-564S-10X	1 mL

## Methoxychlor

1,1'-(2,2,2-Trichloroethylidene)bis(4-methoxybenzene)



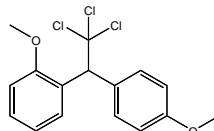
p,p'-Methoxychlor, DMDT

**CAS** 72-43-5 **MF** C<sub>16</sub>H<sub>15</sub>Cl<sub>3</sub>O<sub>2</sub> **MW** 345.65 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 89 °C **BP** Decomp.  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-064N	10 mg
100 µg/mL in MeOH	P-064S	1 mL
1000 µg/mL in MeOH	P-064S-10X	1 mL

## o,p'-Methoxychlor

1,1,1-Trichloro-2-(o-methoxyphenyl)-2-(p-methoxyphenyl)ethane

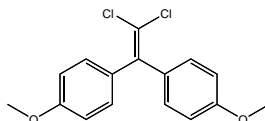


**CAS** 30667-99-3 **MF** C<sub>16</sub>H<sub>15</sub>Cl<sub>3</sub>O<sub>2</sub> **MW** 345.65 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **SOL** M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-535S	1 mL
100 µg/mL in Isooctane	P-535S-TP	1 mL

## p,p'-Methoxychlor-olefin

1,1'-(Dichloroethylidene)bis(4-methoxybenzene)

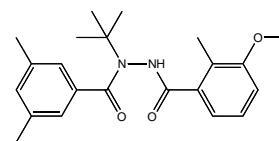


**CAS** 2132-70-9 **MF** C<sub>16</sub>H<sub>14</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 309.19 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 106-108 °C **SOL** M,TP

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-466S	1 mL
1000 µg/mL in MeOH	P-466S-10X	1 mL

## Methoxyfenozide

N'-(tert-Butyl)-N-(3,5-dimethylbenzoyl)-3-methoxy-2-methylbenzohydrazide

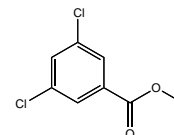


**CAS** 161050-58-4 **MF** C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>O<sub>3</sub> **MW** 368.47  
**PS** S **SG** 0.63 g/cm<sup>3</sup> **MP** 185 °C  
**SOL** M,CN,A,D,EA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-857N	10 mg
100 µg/mL in ACN	P-857S-CN	1 mL
1000 µg/mL in ACN	P-857S-CN-10X	1 mL

## Methyl-3,5-dichlorobenzoate

3,5-Dichlorobenzoic acid methyl ester

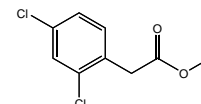


**CAS** 2905-67-1 **MF** C<sub>9</sub>H<sub>6</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 205.04 **PS** S  
**SG** 1.45 g/cm<sup>3</sup> **MP** 58-60 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-247N	10 mg
100 µg/mL in MeOH	P-247S	1 mL
1000 µg/mL in MeOH	P-247S-10X	1 mL

## Methyl-2,4-dichlorophenylacetate

2,4-Dichlorophenylacetic acid methyl ester

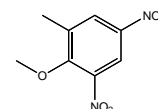


DCAA methyl ester

**CAS** 55954-23-9 **MF** C<sub>9</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>2</sub> **MW** 219.06 **S** L  
**SG** 1.32 g/cm<sup>3</sup> **BP** 153 °C (27mm Hg) **FP** 112 °C  
**SOL** M,H

Matrix	Cat. No.	Unit
NEAT	P-214N	10 mg
100 µg/mL in MeOH	P-214S	1 mL

## 2-Methyl-4,6-dinitroanisole



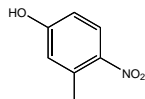
**CAS** 29027-13-2 **MF** C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>O<sub>5</sub> **MW** 212.16 **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-611N	10 mg
100 µg/mL in MeOH	P-611S	1 mL

# Individual Pesticides

## 3-Methyl-4-nitrophenol

4-Nitro-3-cresol

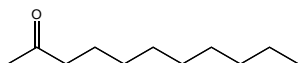


**CAS** 2581-34-2 **MF** C<sub>7</sub>H<sub>7</sub>NO<sub>3</sub> **MW** 153.14 **PS** S  
**SG** 1.32 g/cm<sup>3</sup> **MP** 125-130 °C **BP** 200 °C **FP** 110 °C  
**SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-509N	10 mg
100 µg/mL in MeOH	P-509S	1 mL

## Methyl nonyl ketone

2-Undecanone

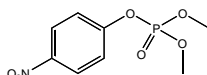


**CAS** 112-12-9 **MF** C<sub>11</sub>H<sub>22</sub>O **MW** 170.29 **PS** L  
**SG** 0.82 g/cm<sup>3</sup> **BP** 236 °C **FP** 89 °C  
**SOL** A,M,IPA,D

Matrix	Cat. No.	Unit
NEAT	P-415N	10 mg
100 µg/mL in MeOH	P-415S ▲	1 mL
100 µg/mL in ACN	P-415S-CN	1 mL

## Methyl paraoxon

Dimethyl-p-nitrophenylphosphate



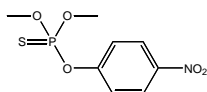
Paraoxon-methyl

**CAS** 950-35-6 **MF** C<sub>8</sub>H<sub>10</sub>NO<sub>6</sub>P **MW** 247.14 **PS** L  
**SG** 1.38 g/cm<sup>3</sup> **BP** 315 °C **FP** 100 °C  
**SOL** M,A,D,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-311N	10 mg
100 µg/mL in MeOH	P-311S	1 mL

## Methyl parathion

O,O-Dimethyl O-(p-nitrophenyl) phosphorothioate



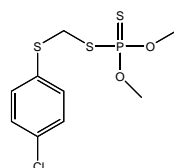
Azophos

**CAS** 298-00-0 **MF** C<sub>8</sub>H<sub>10</sub>NO<sub>5</sub>PS **MW** 263.33 **PS** S  
**SG** 1.38 g/cm<sup>3</sup> **MP** 35-36 °C **BP** 154 °C (136Pa)  
**FP** >150 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-065N	10 mg
100 µg/mL in MeOH	P-065S	1 mL
1000 µg/mL in MeOH	P-065S-10X	1 mL
1000 µg/mL in Acetone	P-065S-A-10X	1 mL
1000 µg/mL in Hexane	P-065S-H-10X	1 mL

## Methyl trithion

S-(((4-Chlorophenyl)sulfanyl)methyl) O,O-dimethyl phosphorodithioate



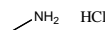
Carbophenothion methyl

**CAS** 953-17-3 **MF** C<sub>9</sub>H<sub>12</sub>ClO<sub>2</sub>PS<sub>3</sub> **MW** 314.81 **PS** L  
**SG** 1.4 g/cm<sup>3</sup> **BP** 371 °C **FP** 178 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-652S	1 mL
1000 µg/mL in MeOH	P-652S-10X	1 mL

## Methylamine hydrochloride

Methylammonium chloride

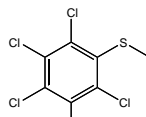


**CAS** 593-51-1 **MF** CH<sub>5</sub>N • HCl **MW** 67.52 **PS** S  
**MP** 231-233 °C **BP** 225-230 °C (15mm Hg)  
**FP** 209 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-624N	10 mg
100 µg/mL in MeOH	P-624S	1 mL

## Methylpentachlorophenyl sulfide

Pentachlorothioanisole



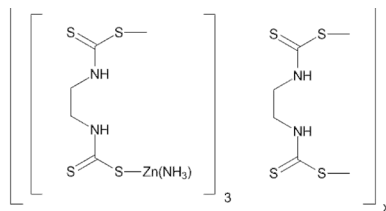
MPCPS

**CAS** 1825-19-0 **MF** C<sub>7</sub>H<sub>3</sub>Cl<sub>5</sub>S **MW** 296.43 **PS** S  
**SG** 1.68 g/cm<sup>3</sup> **MP** 95 °C **SOL** M,A,D,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-567N	10 mg
100 µg/mL in MeOH	P-567S	1 mL
1000 µg/mL in Acetone	P-567S-A-10X	1 mL

## Metiram

Ethylenebis(dithiocarbamic acid), polymer with ammonia complex of zinc EBDC

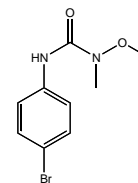


**CAS** 9006-42-2 **MF** [C<sub>16</sub>H<sub>33</sub>N<sub>11</sub>S<sub>16</sub>Zn<sub>3</sub>]<sub>x</sub>  
**MW** (1088.6)<sub>x</sub> **PS** S **SG** 1.86 g/cm<sup>3</sup>  
**MP** 162-165 °C **SOL** M,A,T,EA

Matrix	Cat. No.	Unit
NEAT	P-416N	10 mg

## Metobromuron

3-(4-Bromophenyl)-1-methoxy-1-methylurea

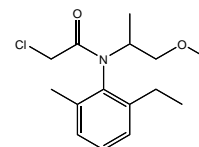


**CAS** 3060-89-7 **MF** C<sub>9</sub>H<sub>11</sub>BrN<sub>2</sub>O<sub>2</sub> **MW** 259.1 **PS** S  
**SG** 1.6 g/cm<sup>3</sup> **MP** 95-96 °C  
**SOL** M,A,CN,EA,H,D,W

Matrix	Cat. No.	Unit
NEAT	P-436N	10 mg
100 µg/mL in MeOH	P-436S	1 mL
1000 µg/mL in Acetone	P-436S-A-10X	1 mL

## Metolachlor

2-Chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide

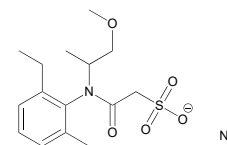


**CAS** 51218-45-2 **MF** C<sub>15</sub>H<sub>22</sub>ClNO<sub>2</sub> **MW** 283.8 **PS** L  
**SG** 1.12 g/cm<sup>3</sup> **BP** 100 °C (0.001mm Hg)  
**FP** >100 °C **SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-158N	10 mg
100 µg/mL in MeOH	P-158S	1 mL
1000 µg/mL in MeOH	P-158S-10X	1 mL
1000 µg/mL in Acetone	P-158S-A-10X	1 mL

## Metolachlor ESA sodium salt

Sodium 2-[(2-ethyl-6-methylphenyl)(2-methoxy-1-methylethyl)amino]-2-oxo-ethanesulfonate



**CAS** 947601-85-6 **MF** C<sub>15</sub>H<sub>22</sub>NNaO<sub>5</sub>S **MW** 351.39  
**PS** S **SOL** A,CN,M

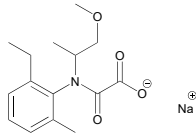
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-915S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Metolachlor OA sodium salt

Sodium [(2-ethyl-6-methylphenyl)(2-methoxy-1-methylethyl)amino]-oxo-acetate

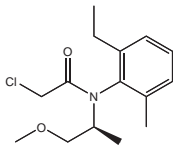


**CAS** N/A **MF** C<sub>15</sub>H<sub>20</sub>NO<sub>3</sub>Na **MW** 301 **PS** S  
**MP** 162 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-916S	1 mL

## S-Metolachlor

2-Chloro-N-(2-ethyl-6-methylphenyl)-N-[(1S)-2-methoxy-1-methylethyl]acetamide

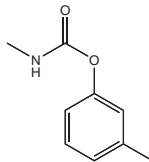


**CAS** 87392-12-9 **MF** C<sub>15</sub>H<sub>22</sub>ClNO<sub>2</sub> **MW** 283.79  
**PS** L **SG** 1.12 g/cm<sup>3</sup> **BP** 334 °C  
**SOL** M,A,T,H,EA,W,D

Matrix	Cat. No.	Unit
NEAT	P-1013N	10 mg
100 µg/mL in MeOH	P-1013S	1 mL

## Metolcarb

m-Tolyl methylcarbamate



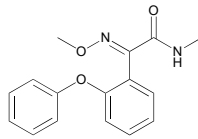
MTMC

**CAS** 1129-41-5 **MF** C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub> **MW** 165.2 **PS** S  
**SG** 1.08 g/cm<sup>3</sup> **MP** 76-77 °C **BP** 180 °C **FP** 145 °C  
**SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-494N	10 mg
100 µg/mL in MeOH	P-494S	1 mL
1000 µg/mL in ACN	P-494S-CN-10X	1 mL

## (E)-Metominostrobin

(E)-2-(Methoxyimino)-N-methyl-2-(2-phenoxyphenyl)acetamide

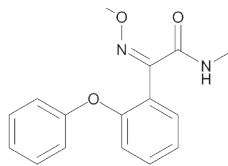


**CAS** 133408-50-1 **MF** C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub> **MW** 284.32  
**PS** S **MP** 86-90 °C **SOL** CN,EA

Matrix	Cat. No.	Unit
NEAT	P-1164N	10 mg
100 µg/mL in ACN	P-1164S-CN	1 mL
1000 µg/mL in ACN	P-1164S-CN-10X	1 mL

## (Z)-Metominostrobin

(Z)-2-methoxyimino-N-methyl-2-(2-phenoxyphenyl)acetamide

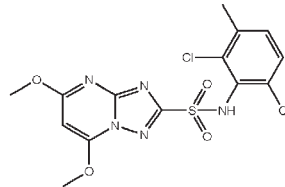


**CAS** 133408-51-2 **MF** C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub> **MW** 284.31  
**PS** S **MP** 108-109 °C **SOL** M,CN,H,EA,D,T

Matrix	Cat. No.	Unit
NEAT	P-1493N	10 mg

## Metosulam

2',6'-Dichloro-5,7-dimethoxy-3'-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide

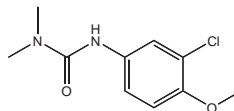


**CAS** 139528-85-1 **MF** C<sub>14</sub>H<sub>13</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>4</sub>S **MW** 418.26  
**PS** S **SG** 1.49 g/cm<sup>3</sup> **MP** 211 °C  
**SOL** A,EA,M,T,CN,W,D,H

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-900S-CN	1 mL
1000 µg/mL in ACN	P-900S-CN-10X	1 mL

## Metoxuron

3-(3-Chloro-4-methoxyphenyl)-1,1-dimethylurea

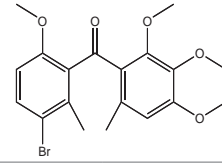


**CAS** 19937-59-8 **MF** C<sub>10</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>2</sub> **MW** 228.7 **PS** S  
**SG** 0.8 g/cm<sup>3</sup> **MP** 126-127 °C **SOL** M,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-437N	10 mg
100 µg/mL in ACN	P-437S-CN	1 mL

## Metrafenone

3'-Bromo-2,3,4,6'-tetramethoxy-2',6-dimethylbenzophenone

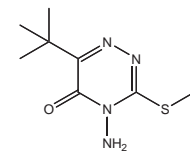


**CAS** 220899-03-6 **MF** C<sub>19</sub>H<sub>21</sub>BrO<sub>5</sub> **MW** 409.27  
**PS** S **SG** 1.45 g/cm<sup>3</sup> **MP** 100 °C  
**BP** Decomp. 310 °C **SOL** M,A,CN,D,EA,T,H

Matrix	Cat. No.	Unit
NEAT	P-1032N	10 mg
100 µg/mL in ACN	P-1032S-CN	1 mL
1000 µg/mL in ACN	P-1032S-CN-10X	1 mL

## Metribuzin

4-Amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one



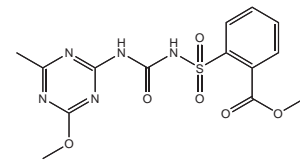
Sencor

**CAS** 21087-64-9 **MF** C<sub>8</sub>H<sub>11</sub>N<sub>4</sub>OS **MW** 214.32 **PS** S  
**SG** 1.31 g/cm<sup>3</sup> **MP** 126 °C **BP** 132 °C (2Pa)  
**SOL** M,A,D,H,T,CN,TP,EA,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-089N	10 mg
100 µg/mL in MeOH	P-089S	1 mL
1000 µg/mL in MeOH	P-089S-10X	1 mL

## Metsulfuron-methyl

Methyl 2-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl)benzoate



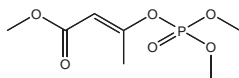
**CAS** 74223-64-6 **MF** C<sub>14</sub>H<sub>15</sub>N<sub>5</sub>O<sub>5</sub>S **MW** 381.37  
**PS** S **SG** 1.46 g/cm<sup>3</sup> **MP** 158 °C  
**SOL** M,A,T,H,W,D,EA

Matrix	Cat. No.	Unit
NEAT	P-463N	10 mg
100 µg/mL in MeOH	P-463S	1 mL

# Individual Pesticides

## Mevinphos

Methyl 3-((dimethoxyphosphoryl)oxy)-2-butenate

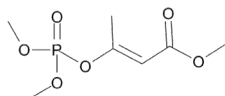


Phosdrin

**CAS** 7786-34-7 **MF** C<sub>7</sub>H<sub>13</sub>O<sub>6</sub>P **MW** 224.15 **PS** L  
**SG** 1.23 g/cm<sup>3</sup> **BP** 99-103 °C (0.3mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-074N	10 mg
100 µg/mL in MeOH	P-074S	1 mL
1000 µg/mL in Acetone	P-074S-A-10X	1 mL
1000 µg/mL in Hexane	P-074S-H-10X	1 mL

## E-Mevinphos

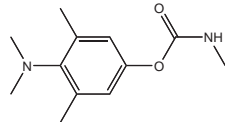


**CAS** 26718-65-0 **MF** C<sub>7</sub>H<sub>13</sub>O<sub>6</sub>P **MW** 224.15 **PS** L  
**SG** 1.2 g/cm<sup>3</sup> **BP** 243.4 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-1483N	10 mg
100 µg/mL in MeOH	P-1483S	1 mL

## Mexacarbate

4-Dimethylamino-3,5-xylyl methylcarbamate



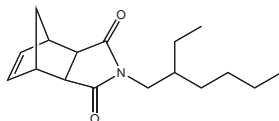
Zectran

**CAS** 315-18-4 **MF** C<sub>12</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> **MW** 222.32 **PS** S  
**SG** 1.08 g/cm<sup>3</sup> **MP** 85 °C **SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-030N	10 mg
100 µg/mL in MeOH	P-030S	1 mL

## MGK-264

N-(2-Ethylhexyl)-8,9,10-trinorborn-5-ene-2,3-dicarboximide



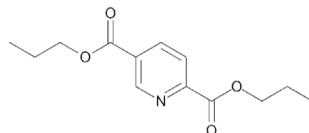
ENT 8184

**CAS** 113-48-4 **MF** C<sub>17</sub>H<sub>25</sub>NO<sub>2</sub> **MW** 275.43 **PS** L  
**SG** 1.04 g/cm<sup>3</sup> **BP** >280 °C **FP** 177 °C  
**SOL** M,A,D,EA

Matrix	Cat. No.	Unit
NEAT	P-082N	10 mg
100 µg/mL in MeOH	P-082S	1 mL
1000 µg/mL in MeOH	P-082S-10X	1 mL

## MGK-326

Dipropyl 2,5-pyridine-2,5-dicarboxylate



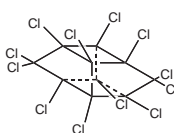
Dipropyl isocinchomerate

**CAS** 136-45-8 **MF** C<sub>13</sub>H<sub>17</sub>NO<sub>4</sub> **MW** 251.28 **PS** L  
**SG** 1.12 g/cm<sup>3</sup> **BP** 278 °C **FP** 93 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-342N	10 mg
100 µg/mL in ACN	P-342S-CN	1 mL

## Mirex

Dodecachloropentacyclo[5.3.0.0.2,6.0.3,9.0.4,8]decane



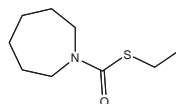
Dechlorane

**CAS** 2385-85-5 **MF** C<sub>10</sub>Cl<sub>12</sub> **MW** 545.5 **PS** S  
**MP** 485 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-066N	10 mg
100 µg/mL in MeOH	P-066S	1 mL
1000 µg/mL in MeOH	P-066S-10X	1 mL

## Molinate

S-Ethyl azepan-1-carbothioate



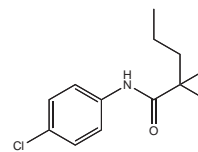
Molinat

**CAS** 2212-67-1 **MF** C<sub>9</sub>H<sub>17</sub>NOS **MW** 187.3 **PS** L  
**SG** 1.06 g/cm<sup>3</sup> **BP** 202 °C (10mm Hg) **FP** >100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-176N	10 mg
100 µg/mL in MeOH	P-176S	1 mL
1000 µg/mL in Acetone	P-176S-A-10X	1 mL

## Monalide

4'-Chloro-2,2-dimethylvaleraniide

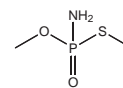


**CAS** 7287-36-7 **MF** C<sub>13</sub>H<sub>18</sub>ClNO **MW** 239.74 **PS** S  
**SG** 1.10 g/cm<sup>3</sup> **MP** 87-88 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-737N	10 mg
100 µg/mL in MeOH	P-737S	1 mL

## Methamidophos

O,S-Dimethyl phosphoramidothioate



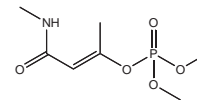
Monitor, Tamaron

**CAS** 10265-92-6 **MF** C<sub>2</sub>H<sub>8</sub>NO<sub>2</sub>PS **MW** 141.13 **PS** S  
**SG** 1.31 g/cm<sup>3</sup> **MP** 45 °C **FP** 93 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-155N	10 mg
100 µg/mL in MeOH	P-155S	1 mL
1000 µg/mL in MeOH	P-155S-10X	1 mL
1000 µg/mL in ACN	P-155S-CN-10X	1 mL

## Monocrotophos

Dimethyl (2E)-4-(methylamino)-4-oxo-2-buten-2-yl phosphate



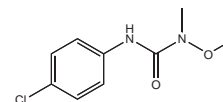
Azodrin, Monocron, Nunacton

**CAS** 6923-22-4 **MF** C<sub>7</sub>H<sub>14</sub>NO<sub>5</sub>P **MW** 223.16 **PS** S  
**SG** 1.22 g/cm<sup>3</sup> **MP** 55 °C **BP** 125 °C (0.0005mm Hg)  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-112N	10 mg
100 µg/mL in MeOH	P-112S	1 mL
1000 µg/mL in MeOH	P-112S-10X	1 mL
1000 µg/mL in ACN	P-112S-CN-10X	1 mL

## Monolinuron

3-(4-Chlorophenyl)-1-methoxy-1-methylurea

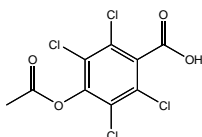


**CAS** 1746-81-2 **MF** C<sub>9</sub>H<sub>11</sub>ClN<sub>2</sub>O<sub>2</sub> **MW** 214.65 **PS** S  
**SG** 1.30 g/cm<sup>3</sup> **MP** 80-83 °C  
**SOL** M,A,H,CN,EA,T,W

Matrix	Cat. No.	Unit
NEAT	P-382N	10 mg
100 µg/mL in MeOH	P-382S	1 mL

# Individual Pesticides

## Monomethyltetrachloroterephthalate

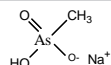


*Dacthal monoacid, DCPA monoacid*

**CAS** 887-54-7 **MF** C<sub>9</sub>H<sub>4</sub>Cl<sub>4</sub>O<sub>4</sub> **MW** 317.94 **PS** S  
**SG** 1.69 g/cm<sup>3</sup> **MP** 174 **SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-707N	10 mg
100 µg/mL in Acetone	P-707S-A	1 mL

## Monosodium acid methane arsonate



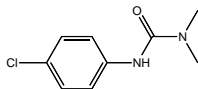
*MSMA, Bueno*

**CAS** 2163-80-6 **MF** CH<sub>2</sub>AsNaO<sub>3</sub> **MW** 161.95  
**PS** S **SG** 1.54 g/cm<sup>3</sup> **MP** 113-116 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-279N	10 mg
100 µg/mL in MeOH	P-279S	1 mL

## Monuron

3-(4-Chlorophenyl)-1,1-dimethylurea

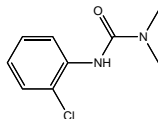


**CAS** 150-68-5 **MF** C<sub>9</sub>H<sub>11</sub>ClN<sub>2</sub>O **MW** 198.65 **PS** S  
**SG** 1.27 g/cm<sup>3</sup> **MP** 174 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-023N	10 mg
100 µg/mL in MeOH	P-023S	1 mL

## 2-Monuron

3-(2-Chlorophenyl)-1,1-dimethylurea



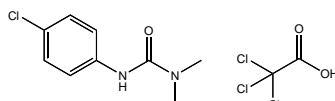
**CAS** 582-44-5 **MF** C<sub>9</sub>H<sub>11</sub>ClN<sub>2</sub>O **MW** 198.65 **PS** S  
**MP** 89-90 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-633N	10 mg
100 µg/mL in MeOH	P-633S	1 mL

▲ May esterify in methanol

## Monuron TCA

3-(4-Chlorophenyl)-1,1-dimethylurea trichloroacetate salt



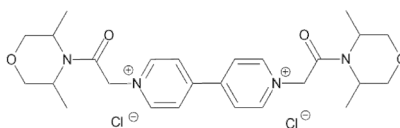
*Monuron trichloroacetate*

**CAS** 140-41-0 **MF** C<sub>2</sub>HCl<sub>3</sub>O<sub>2</sub>•C<sub>9</sub>H<sub>11</sub>ClN<sub>2</sub>O  
**MW** 362.04 **PS** S **MP** 78-81 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-034N	10 mg
100 µg/mL in MeOH	P-034S	1 mL

## Morfamquat dichloride

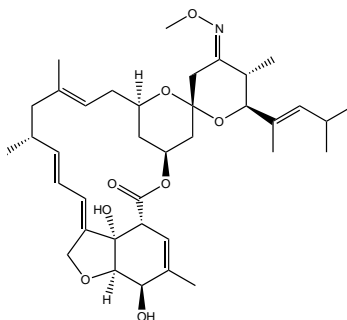
1,1'-bis[2-(3,5-Dimethyl-4-morpholinyl)-2-oxoethyl]-4,4'-bipyridinium dichloride



**CAS** 4636-83-3 **MF** C<sub>26</sub>H<sub>36</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>4</sub> **MW** 539.50  
**MP** 299-304 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1374S	1 mL

## Moxidectin

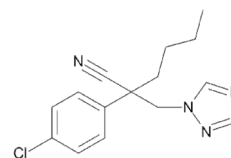


**CAS** 113507-06-5 **MF** C<sub>37</sub>H<sub>53</sub>NO<sub>8</sub> **MW** 639.82  
**PS** S **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-961S-CN	1 mL

## Myclobutanil

alpha-Butyl-alpha-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile



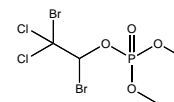
*Systhane*

**CAS** 88671-89-0 **MF** C<sub>15</sub>H<sub>17</sub>ClN<sub>4</sub> **MW** 288.78 **PS** S  
**SG** 1.2 g/cm<sup>3</sup> **MP** 63-68 °C **BP** 202-208 °C(1mm Hg)  
**FP** >100 °C **SOL** M,A,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-330N	10 mg
100 µg/mL in MeOH	P-330S	1 mL
1000 µg/mL in MeOH	P-330S-10X	1 mL
1000 µg/mL in Acetone	P-330S-A-10X	1 mL

## Naled

1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate

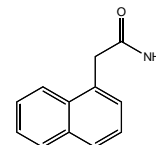


*Dibrom*

**CAS** 300-76-5 **MF** C<sub>4</sub>H<sub>7</sub>Br<sub>2</sub>Cl<sub>2</sub>O<sub>4</sub>P **MW** 380.78  
**PS** L **SG** 1.96 g/cm<sup>3</sup> **BP** 110 °C (0.5mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-159N	10 mg
100 µg/mL in ACN	P-159S-CN	1 mL
1000 µg/mL in Hexane	P-159S-H-10X	1 mL

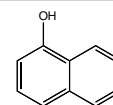
## 1-Naphthalene acetamide



**CAS** 86-86-2 **MF** C<sub>12</sub>H<sub>11</sub>NO **MW** 185.2 **PS** S  
**MP** 180-183 °C **SOL** M,A,IPA

Matrix	Cat. No.	Unit
NEAT	P-512N	10 mg
100 µg/mL in MeOH	P-512S	1 mL

## 1-Naphthol

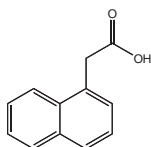


**CAS** 90-15-3 **MF** C<sub>10</sub>H<sub>8</sub>O **MW** 144.17 **PS** S  
**SG** 1.1 g/cm<sup>3</sup> **MP** 95-96 °C **BP** 278-280 °C  
**FP** 125 °C **SOL** M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-1007N	10 mg
100 µg/mL in MeOH	P-1007S	1 mL

# Individual Pesticides

## 1-Naphthylacetic acid

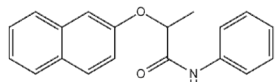


CAS 86-87-3 MF C<sub>12</sub>H<sub>10</sub>O<sub>2</sub> MW 186.21 PS S  
MP 134-135 °C SOL M,A,W

Matrix	Cat. No.	Unit
NEAT	P-461N	10 mg
100 µg/mL in MeOH	P-461S	1 mL

## Naproanilide

2-(2-Naphthoxy)-N-phenylpropionamide

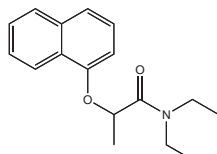


CAS 52570-16-8 MF C<sub>19</sub>H<sub>17</sub>NO<sub>2</sub> MW 291.34 PS S  
SG 1.26 g/cm<sup>3</sup> MP 128 °C SOL A,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1343S-A	1 mL

## Napropamide

N,N-Diethyl-2-naphthoxypropanamid  
(unstated stereochemistry)



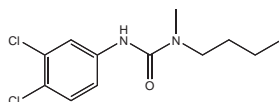
Devrinol

CAS 15299-99-7 MF C<sub>17</sub>H<sub>21</sub>NO<sub>2</sub> MW 271.35  
PS S SG 1.08 g/cm<sup>3</sup> MP 75-76 °C BP 317 °C  
FP >104 °C SOL M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-179N	10 mg
100 µg/mL in MeOH	P-179S	1 mL
1000 µg/mL in Acetone	P-179S-A-10X	1 mL

## Neburon

1-Butyl-3-(3,4-Dichlorophenyl)-1-methylurea

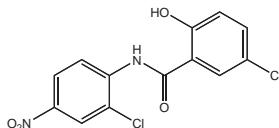


CAS 555-37-3 MF C<sub>12</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>2</sub>O MW 275.17 PS S  
SG 1.25 g/cm<sup>3</sup> MP 102-103 °C SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-041N	10 mg
100 µg/mL in MeOH	P-041S	1 mL

## Nicosamide

2'-5-Dichloro-4'-nitrosalicylanilide

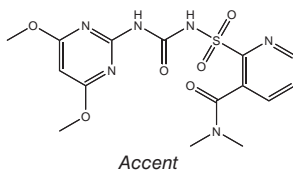


CAS 50-65-7 MF C<sub>13</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub> MW 327.12 PS S  
SG 1.6 g/cm<sup>3</sup> MP 230 °C BP 424 °C FP 210 °C  
SOL M

Matrix	Cat. No.	Unit
NEAT	P-160N	10 mg
100 µg/mL in ACN	P-160S-CN	1 mL

## Nicosulfuron

2-(4,6-Dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-N,N-dimethylnicotinamide



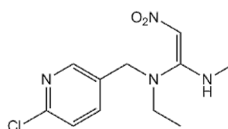
Accent

CAS 111991-09-4 MF C<sub>15</sub>H<sub>18</sub>N<sub>6</sub>O<sub>6</sub>S MW 410.41  
PS S SG 0.31 g/cm<sup>3</sup> MP 141-144 °C  
SOL A,D,M,EA,CN,T

Matrix	Cat. No.	Unit
NEAT	P-591N	10 mg
100 µg/mL in ACN	P-591S-CN	1 mL
1000 µg/mL in ACN	P-591S-CN-10X	1 mL

## Nitenpyram

(E)-N-(6-Chloro-3-pyridylmethyl)-N-ethyl-N'-methyl-2-nitrovinylidenediamine

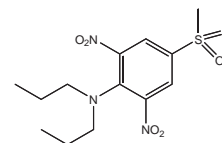


CAS 150824-47-8 MF C<sub>11</sub>H<sub>15</sub>ClN<sub>3</sub>O<sub>2</sub> MW 270.72  
PS S SG 1.26 g/cm<sup>3</sup> MP 82 °C FP >70 °C  
SOL M,A,CN,W,D,EA,T

Matrix	Cat. No.	Unit
NEAT	P-858N	10 mg
100 µg/mL in ACN	P-858S-CN	1 mL
1000 µg/mL in ACN	P-858S-CN-10X	1 mL

## Nitralin

4-Methylsulphonyl-2,6-dinitro-N,N-dipropylaniline

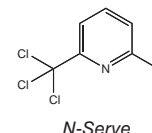


CAS 4726-14-1 MF C<sub>13</sub>H<sub>15</sub>N<sub>3</sub>O<sub>6</sub>S MW 345.37 PS S  
SG 1.39 g/cm<sup>3</sup> MP 151-152 °C BP Decom. 225 °C  
SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-583N	10 mg
100 µg/mL in MeOH	P-583S	1 mL

## Nitrapyrin

2-Chloro-6-(trichloromethyl)pyridine



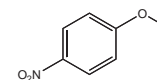
N-Serve

CAS 1929-82-4 MF C<sub>6</sub>H<sub>3</sub>Cl<sub>4</sub>N MW 230.91 PS S  
SG 1.58 g/cm<sup>3</sup> MP 62-63 °C  
BP 136-138 °C (11mm Hg) SOL M,D,T,CN,A

Matrix	Cat. No.	Unit
NEAT	P-489N	10 mg
100 µg/mL in MeOH	P-489S	1 mL
1000 µg/mL in MeOH	P-489S-10X	1 mL

## 4-Nitroanisole

1-Methoxy-4-nitrobenzene



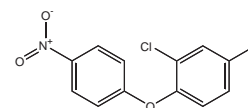
p-Methoxynitrobenzene

CAS 100-17-4 MF C<sub>7</sub>H<sub>7</sub>NO<sub>3</sub> MW 153.14 PS S  
SG 1.22 g/cm<sup>3</sup> MP 50-54 °C BP 260 °C  
FP 130 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-273N	10 mg
100 µg/mL in MeOH	P-273S	1 mL

## Nitrofen

2,4-Dichlorophenyl-4-nitrophenyl ether



Nitrochlor Trizilin

CAS 1836-75-5 MF C<sub>12</sub>H<sub>7</sub>Cl<sub>2</sub>NO<sub>3</sub> MW 284.09 PS S  
SG 1.3 g/cm<sup>3</sup> MP 70-71 °C BP 180-190 °C (0.25mm Hg)  
FP >200 °C SOL M,A,D,H,T,CN,TP

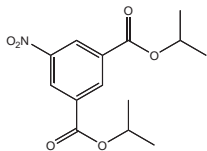
Matrix	Cat. No.	Unit
NEAT	P-363N	10 mg
100 µg/mL in MeOH	P-363S	1 mL



# Individual Pesticides

## Nitrothal-isopropyl

Diisopropyl 5-nitrosophthalate

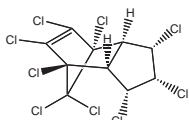


**CAS** 10552-74-6 **MF** C<sub>14</sub>H<sub>17</sub>NO<sub>5</sub> **MW** 295.29 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 65 °C **FP** >100 °C  
**SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-695N	10 mg
100 µg/mL in MeOH	P-695S	1 mL
1000 µg/mL in MeOH	P-695S-10X	1 mL

## cis-Nonachlor

(1α,2α,3α)-1,2,3,4,5,6,7,8,8-Nonachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene

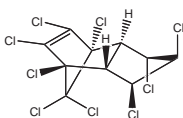


**CAS** 5103-73-1 **MF** C<sub>10</sub>H<sub>5</sub>Cl<sub>9</sub> **MW** 444.22 **PS** S  
**SG** 1.59 g/cm<sup>3</sup> **MP** 219 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-297N	10 mg
100 µg/mL in MeOH	P-297S	1 mL
1000 µg/mL in MeOH	P-297S-10X	1 mL

## trans-Nonachlor

(1-α,2-β,3-α,3a-α,4-β,7-β,7a-α)-1,2,3,4,5,6,7,8,8-Nonachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene

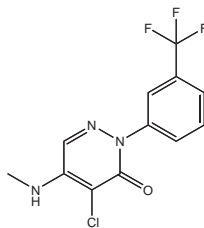


**CAS** 39765-80-5 **MF** C<sub>10</sub>H<sub>5</sub>Cl<sub>9</sub> **MW** 444.22 **PS** S  
**SG** 1.86 g/cm<sup>3</sup> **MP** 127 °C **BP** 451 °C  
**FP** 229 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-184N	10 mg
100 µg/mL in MeOH	P-184S	1 mL
1000 µg/mL in MeOH	P-184S-10X	1 mL

## Norflurazon

4-Chloro-5-methylamino-2-(α,α,α-trifluoro-m-tolyl)pyridazin-3(2H)-one

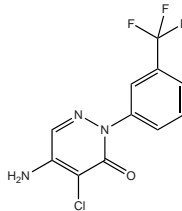


**CAS** 27314-13-2 **MF** C<sub>12</sub>H<sub>9</sub>ClF<sub>3</sub>N<sub>3</sub>O **MW** 303.67  
**PS** S **SG** 1.45 g/cm<sup>3</sup> **MP** 174-180 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-217N	10 mg
100 µg/mL in MeOH	P-217S	1 mL

## Norflurazon-desmethyl

4-Chloro-5-amino-2-(α,α,α-trifluoro-m-tolyl)-3(2H)-pyridazinone

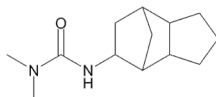


**CAS** 23576-24-1 **MF** C<sub>11</sub>H<sub>7</sub>ClF<sub>3</sub>N<sub>3</sub>O **MW** 289.64  
**PS** S **MP** 154 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1129S-CN	1 mL

## Noruron

1,1-dimethyl-3-[(3aRS,4SR,5RS,7SR,7aRS)-perhydro-4,7-methanoinden-5-yl]urea

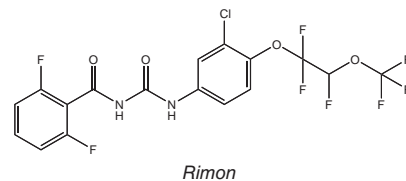


**CAS** 18530-56-8 **MF** C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>O **MW** 222.23 **PS** S  
**SG** 1.1 g/cm<sup>3</sup> **MP** 100.4 °C **SOL** W,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1454S-CN	1 mL

## Novaluron

1-[3-Chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea



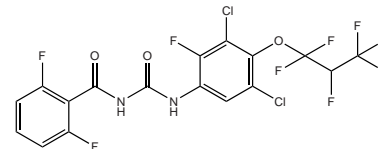
Rimon

**CAS** 116714-46-6 **MF** C<sub>17</sub>H<sub>9</sub>ClF<sub>8</sub>N<sub>2</sub>O<sub>4</sub> **MW** 492.7  
**SG** 1.56 g/cm<sup>3</sup> **MP** 177-178 °C **FP** 202 °C  
**SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-966N-5MG	5 mg
100 µg/mL in MeOH	P-966S	1 mL
1000 µg/mL in ACN	P-966S-CN-10X	1 mL

## Noviflumuron

(RS)-1-[3,5-Dichloro-2-fluoro-4-(1,1,2,3,3,3-hexafluoropropoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

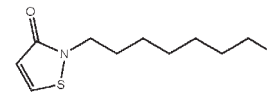


**CAS** 121451-02-3 **MF** C<sub>17</sub>H<sub>7</sub>Cl<sub>2</sub>F<sub>9</sub>N<sub>2</sub>O<sub>3</sub> **MW** 529.14  
**PS** S **SG** 1.88 g/cm<sup>3</sup> **MP** 156-157 °C  
**BP** Decomp. 250 °C **SOL** A,EA,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-967S-CN	1 mL

## Octhilonone

2-Octyl-1,2-thiazol-3(2H)-one

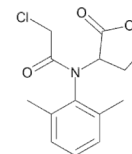


**CAS** 26530-20-1 **MF** C<sub>11</sub>H<sub>19</sub>NOS **MW** 213.34 **PS** L  
**SG** 1.05 g/cm<sup>3</sup> **BP** 120 °C (0.01mm Hg)  
**SOL** A,CN,M,T,EA,H

Matrix	Cat. No.	Unit
Neat	P-788N	1 mL

## Ofurace

2-Chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)-acetamide



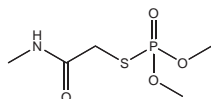
**CAS** 58810-48-3 **MF** C<sub>14</sub>H<sub>16</sub>ClNO<sub>3</sub> **MW** 281.73  
**PS** S **SG** 1.37 g/cm<sup>3</sup> **MP** 144-146 °C  
**SOL** A,CN,TP,EA,M

Matrix	Cat. No.	Unit
10 µg/mL in TP	P-653S-TP-0.1X	1 mL
1000 µg/mL in Acetone	P-653S-A-10X	1 mL

# Individual Pesticides

## Omethoate

O,O-Dimethyl S-methylcarbamoylmethyl phosphorothioate



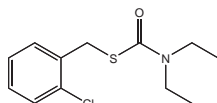
Dimethoxon

**CAS** 1113-02-6 **MF** C<sub>5</sub>H<sub>12</sub>NO<sub>4</sub>PS **MW** 213.19 **PS** L  
**SG** 1.32 g/cm<sup>3</sup> **BP** Decomp. 135 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-121N	10 mg
100 µg/mL in MeOH	P-121S	1 mL
1000 µg/mL in MeOH	P-121S-10X	1 mL
1000 µg/mL in ACN	P-121S-CN-10X	1 mL

## Orbencarb

S-2-Chlorobenzyl diethylthiocarbamate



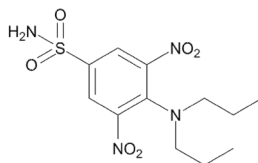
Lanray

**CAS** 34622-58-7 **MF** C<sub>12</sub>H<sub>16</sub>ClNOS **MW** 257.78  
**PS** L **SG** 1.18 g/cm<sup>3</sup> **BP** 158 °C (1mm Hg)  
**SOL** M,D,A,H,T

Matrix	Cat. No.	Unit
NEAT	P-433N	10 mg
100 µg/mL in MeOH	P-433S	1 mL

## Oryzalin

4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide



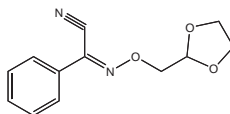
Surflan

**CAS** 19044-88-3 **MF** C<sub>12</sub>H<sub>18</sub>N<sub>4</sub>O<sub>6</sub>S **MW** 346.36  
**PS** S **SG** 1.20 g/cm<sup>3</sup> **MP** 142 °C  
**BP** Decomp. 265 °C **SOL** M,A,CN,MC,D

Matrix	Cat. No.	Unit
NEAT	P-043N	10 mg
100 µg/mL in ACN	P-043S-CN	1 mL
1000 µg/mL in MeOH	P-043S-10X	1 mL

## Oxabetrinil

(Z)-1,3-Dioxolan-2-ylmethoxyimino(phenyl)acetonitrile

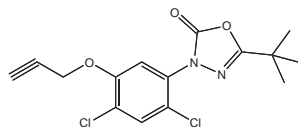


**CAS** 74782-23-3 **MF** C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub> **MW** 232.24 **PS** S  
**SG** 1.33 g/cm<sup>3</sup> **MP** 78 °C **SOL** A,T,M,H,D

Matrix	Cat. No.	Unit
NEAT	P-995N	10 mg
100 µg/mL in MeOH	P-995S	1 mL

## Oxadiazargyl

1,3,4-Oxadiazol-2(3H)-one,3-[2,4-dichloro-5-(2-propyn-1-yloxy)phenyl]-5-(1,1-dimethylethyl)-

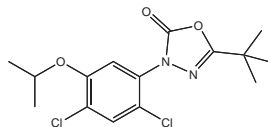


**CAS** 39807-15-3 **MF** C<sub>15</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub> **MW** 341.19  
**PS** S **SG** 1.41 g/cm<sup>3</sup> **MP** 131 °C **BP** Decomp.  
**SOL** A,EA,T,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-1031N	10 mg
100 µg/mL in ACN	P-1031S-CN	1 mL

## Oxadiazon

2-tert-Butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one

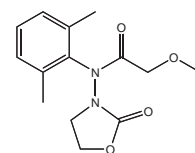


**CAS** 19666-30-9 **MF** C<sub>15</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub> **MW** 345.22  
**PS** S **SG** 1.31 g/cm<sup>3</sup> **MP** 87 °C **BP** 282 °C  
**FP** 206 °C **SOL** M,A,D,H,CN,TP,EA,T

Matrix	Cat. No.	Unit
NEAT	P-236N	10 mg
100 µg/mL in MeOH	P-236S	1 mL
1000 µg/mL in MeOH	P-236S-10X	1 mL
1000 µg/mL in Acetone	P-236S-A-10X	1 mL

## Oxadixyl

2-Methoxy-N-(2-oxo-1,3-oxazolidin-3-yl)acet-2',6'-xylylide

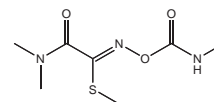


**CAS** 77732-09-3 **MF** C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub> **MW** 278.3 **PS** S  
**SG** 0.5 g/cm<sup>3</sup> **MP** 104 °C **FP** >100 °C  
**SOL** M,A,T,CN,EA,DMSO,W

Matrix	Cat. No.	Unit
NEAT	P-560N	10 mg
100 µg/mL in MeOH	P-560S	1 mL
1000 µg/mL in ACN	P-560S-CN-10X	1 mL

## Oxamyl

S-Methyl N,N'-dimethyl-N-(methylcarbamoyloxy)-1-thio-oxamidate



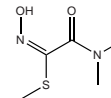
Vydate

**CAS** 23135-22-0 **MF** C<sub>7</sub>H<sub>13</sub>N<sub>3</sub>O<sub>3</sub>S **MW** 219.26  
**PS** S **SG** 0.97 g/cm<sup>3</sup> **MP** 108-110 °C  
**SOL** M,A,D,H,CN,W,T

Matrix	Cat. No.	Unit
NEAT	P-161N	10 mg
100 µg/mL in MeOH	P-161S	1 mL
1000 µg/mL in ACN	P-161S-CN-10X	1 mL

## Oxamyl oxime

Methyl 2-(dimethylamino)-N-hydroxy-2-oxo-ethaneimidothioate



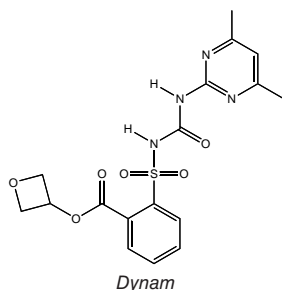
**CAS** 30558-43-1 **MF** C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 162.21  
**PS** S **SG** 1.20 g/cm<sup>3</sup> **MP** 174-179 °C **SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1138S-CN	1 mL

# Individual Pesticides

## Oxasulfuron

Oxetan-3-yl-2-[(4,6-dimethylpyrimidin-2-yl) carbamoylsulfamoyl]benzoate



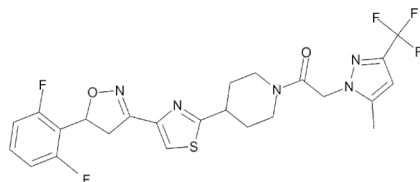
*Dynam*

**CAS** 144651-06-9 **MF** C<sub>17</sub>H<sub>18</sub>N<sub>4</sub>O<sub>5</sub>S **MW** 406.41  
**PS S SG** 1.49 g/cm<sup>3</sup> **MP** 158 °C  
**SOL** M,A,T,H,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-859N	10 mg
100 µg/mL in ACN	P-859S-CN	1 mL

## Oxathiapiprolin

1-(4-{4-[5-(2,6-Difluorophenyl)-4,5-dihydro-1,2-oxazol-3-yl]-1,3-thiazol-2-yl}piperidin-1-yl)-2-[5-methyl-3-(trifluoromethyl)-1H-pyrazol-1-yl]ethenone



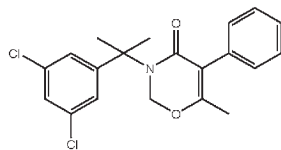
*Zorvec*

**CAS** 1003318-67-9 **MF** C<sub>24</sub>H<sub>22</sub>F<sub>5</sub>N<sub>5</sub>O<sub>2</sub>S **MW** 539.53  
**PS S MP** 143-145 °C **BP** Decomp. 290 °C  
**SOL** A,D,W,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1379S	1 mL

## Oxaziclofene

3-[1-(3,5-Dichlorophenyl)-1-methylethyl]-3,4-dihydro-6-methyl-5-phenyl-2H-1,3-oxazin-4-one

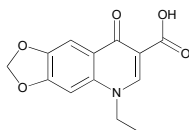


**CAS** 153197-14-9 **MF** C<sub>20</sub>H<sub>19</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 376.28  
**PS S MP** 150 °C **FP** 267 °C **SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1066S	1 mL
1000 µg/mL in ACN	P-1066S-CN-10X	1 mL

## Oxolinic acid

5,8-Dihydro-5-ethyl-8-oxo-1,3-dioxolo[4,5-g]quino-line-7-carboxylic acid

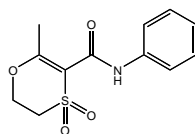


**CAS** 14698-29-4 **MF** C<sub>13</sub>H<sub>11</sub>NO<sub>3</sub> **MW** 261.23 **PS S**  
**SG** 1.55 g/cm<sup>3</sup> **MP** 314-316 °C **BP** 473 °C  
**FP** >110 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1204N	10 mg
100 µg/mL in ACN	P-1204S-CN	1 mL

## Oxycarboxin

2,3-Dihydro-6-methyl-5-phenylcarbamoyl-1,4-oxathi-ine 4,4-dioxide

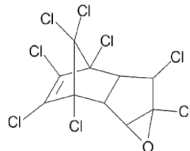


**CAS** 5259-88-1 **MF** C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>S **MW** 267.3 **PS S**  
**SG** 1.41 g/cm<sup>3</sup> **MP** 120-121 °C **FP** 219 °C  
**SOL** M,CN,A,H,W

Matrix	Cat. No.	Unit
NEAT	P-391N	10 mg
100 µg/mL in ACN	P-391S-CN	1 mL

## Oxychlordane Isomer

1,2,4,5,6,7,8,8-Octachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan



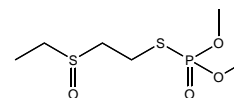
*Oxychlordane*

**CAS** 27304-13-8 **MF** C<sub>10</sub>H<sub>4</sub>Cl<sub>8</sub>O **MW** 423.74 **PS S**  
**MP** 144 °C **BP** 353 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
10 µg/mL in MeOH	P-331S-0.1X	1 mL
100 µg/mL in MeOH	P-331S	1 mL
100 µg/mL in Hexane	P-331S-H	1 mL

## Oxydemeton-methyl

S-2-Ethylsulfinyylethyl O,O-dimethyl phosphorothioate



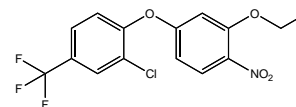
*MetaSystox-R*

**CAS** 301-12-2 **MF** C<sub>8</sub>H<sub>15</sub>O<sub>4</sub>PS<sub>2</sub> **MW** 246.3 **PS L**  
**SG** 1.28 g/cm<sup>3</sup> **BP** 106 °C (0.01mm Hg)  
**SOL** M,A,CN,H,T,W

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-290S	1 mL
1000 µg/mL in MeOH	P-290S-10X	1 mL

## Oxyfluorfen

2-Chloro-alpha, alpha, alpha-trifluoro-p-tolyl 3-ethoxy-4-nitrophenyl ether

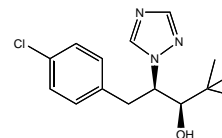


**CAS** 42874-03-3 **MF** C<sub>15</sub>H<sub>11</sub>ClF<sub>3</sub>NO<sub>4</sub> **MW** 361.7  
**PS S SG** 1.35 g/cm<sup>3</sup> **MP** 85-90 °C  
**BP** 358 °C (decomp.) **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-277N	10 mg
100 µg/mL in MeOH	P-277S	1 mL

## Paclobutrazol

(2RS,3RS)-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol



*Clipper, Bonzil*

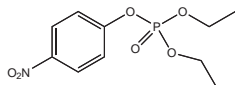
**CAS** 76738-62-0 **MF** C<sub>15</sub>H<sub>20</sub>ClN<sub>3</sub>O **MW** 293.83  
**PS S SG** 1.22 g/cm<sup>3</sup> **MP** 165-166 °C **BP** 385 °C  
**SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-669N	10 mg
100 µg/mL in MeOH	P-669S	1 mL
1000 µg/mL in Acetone	P-669S-A-10X	1 mL

# Individual Pesticides

## Paraoxon

O,O-Diethyl O-p-nitrophenyl phosphate



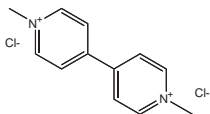
Paraoxon-ethyl, Parathion oxon

**CAS** 311-45-5 **MF** C<sub>10</sub>H<sub>14</sub>NO<sub>6</sub>P **MW** 275.2 **PS** L  
**SG** 1.27 g/cm<sup>3</sup> **BP** 169-170 °C (1mm Hg)  
**SOL** M,A,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-453N	10 mg
100 µg/mL in ACN	P-453S-CN	1 mL
1000 µg/mL in ACN	P-453S-CN-10X	1 mL
100 µg/mL in Isooctane	P-453S-TP	1 mL

## Paraquat dichloride tetrahydrate

1,1'-Dimethyl-4,4'-bipyridinium dichloride tetrahydrate



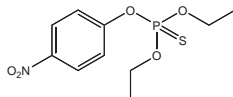
Methyl viologen dichloride hydrate

**CAS** 1910-42-5 **MF** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>\*2Cl **MW** 257.16  
 (anhydrous base) **PS** S **SG** 1.25 g/cm<sup>3</sup>  
**MP** >300 °C (decomp.) **SOL** A,T,EA,H,M,W

Matrix	Cat. No.	Unit
NEAT	P-051N	10 mg
100 µg/mL in MeOH	P-051S	1 mL

## Parathion

O,O-Diethyl O-4-nitrophenyl phosphorothioate



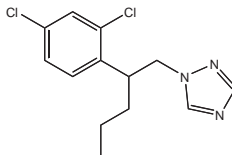
DNTP, Ethyl parathion, Thiophos

**CAS** 56-38-2 **MF** C<sub>10</sub>H<sub>14</sub>NO<sub>3</sub>PS **MW** 291.26 **PS** L  
**SG** 1.26 g/cm<sup>3</sup> **BP** 150 °C (80Pa) **FP** 174 °C  
**SOL** M,A,D,H,T,CN,TP,EA IPA

Matrix	Cat. No.	Unit
NEAT	P-070N	10 mg
100 µg/mL in MeOH	P-070S	1 mL
1000 µg/mL in MeOH	P-070S-10X	1 mL
1000 µg/mL in Acetone	P-070S-A-10X	1 mL
1000 µg/mL in Hexane	P-070S-H-10X	1 mL

## Penconazole

1-[2-(2,4-Dichlorophenyl)pentyl]-1H-1,2,4-triazole

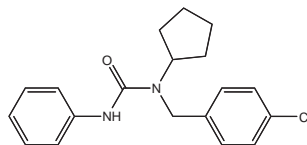


**CAS** 66246-88-6 **MF** C<sub>13</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>3</sub> **MW** 284.18  
**PS** S **SG** 1.30 g/cm<sup>3</sup> **MP** 58-60 °C **BP** >360 °C  
**FP** 100 °C **SOL** M,A,H,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-450N	10 mg
100 µg/mL in MeOH	P-450S	1 mL
1000 µg/mL in Acetone	P-450S-A-10X	1 mL

## Pencycuron

1-(4-Chlorobenzyl)-l-cyclopentyl-3-phenylurea

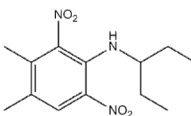


**CAS** 66063-05-6 **MF** C<sub>19</sub>H<sub>21</sub>ClN<sub>2</sub>O **MW** 328.84  
**PS** S **SG** 1.22 g/cm<sup>3</sup> **MP** 129 °C **BP** 286 °C  
**SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-358N	10 mg
100 µg/mL in MeOH	P-358S	1 mL
1000 µg/mL in ACN	P-358S-CN-10X	1 mL

## Pendimethalin

N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine



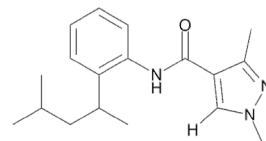
Penoxalin, Prowl

**CAS** 40487-42-1 **MF** C<sub>13</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub> **MW** 281.31 **PS** S  
**SG** 1.19 g/cm<sup>3</sup> **MP** 54-58 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-097N	10 mg
100 µg/mL in MeOH	P-097S	1 mL
1000 µg/mL in MeOH	P-097S-10X	1 mL
1000 µg/mL in Acetone	P-097S-A-10X	1 mL

## Penflufen

5-fluoro-1,3-dimethyl-N-[2-(4-methylpentan-2-yl)phenyl]pyrazole-4-carboxamide

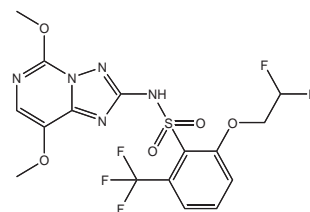


**CAS** 494793-67-8 **MF** C<sub>18</sub>H<sub>24</sub>FN<sub>3</sub>O **MW** 317.4 **PS** S  
**MP** 111 °C **BP** decomp. 320 °C **SOL** M,T,A,D

Matrix	Cat. No.	Unit
100 µg/mL in MOH	P-1235S	1 mL

## Penoxsulam

3-(2,2-Difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-a,a,a-trifluorotoluene-2-sulfonamide

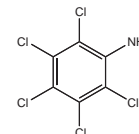


**CAS** 219714-96-2 **MF** C<sub>16</sub>H<sub>14</sub>F<sub>5</sub>N<sub>5</sub>O<sub>5</sub>S **MW** 483.37  
**PS** S **SG** 1.61 g/cm<sup>3</sup> **MP** 212 °C  
**BP** Decomp. 214 °C **SOL** A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1046S	1 mL
1000 µg/mL in ACN	P-1046S-CN-10X	1 mL

## Pentachloroaniline

2,3,4,5,6-Pentachlorobenzeneamine



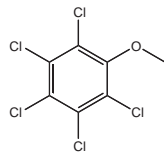
**CAS** 527-20-8 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>5</sub>N **MW** 265.35 **PS** S  
**SG** 1.75 g/cm<sup>3</sup> **MP** 232-234 °C **FP** >100 °C  
**SOL** M,A,D,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-875N	10 mg
100 µg/mL in ACN	P-875S-CN	1 mL
1000 µg/mL in ACN	P-875S-CN-10X	1 mL

# Individual Pesticides

## Pentachloroanisole

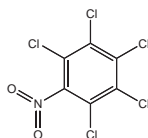
Pentachlorophenol methyl ether



**CAS** 1825-21-4 **MF** C<sub>7</sub>H<sub>3</sub>Cl<sub>5</sub>O **MW** 280.36 **PS** S  
**SG** 1.62 g/cm<sup>3</sup> **MP** 102-104 °C  
**SOL** M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-199N	10 mg
100 µg/mL in MeOH	P-199S	1 mL

## Pentachloronitrobenzene



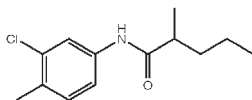
Folosan, Quintozene

**CAS** 82-68-8 **MF** C<sub>6</sub>Cl<sub>5</sub>NO<sub>2</sub> **MW** 295.33 **PS** S  
**SG** 1.72 g/cm<sup>3</sup> **MP** 140-143 °C **BP** 328 °C  
**SOL** M,A,D,H,CN,EA,T

Matrix	Cat. No.	Unit
NEAT	P-113N	10 mg
100 µg/mL in MeOH	P-113S	1 mL
1000 µg/mL in Acetone	P-113S-A-10X	1 mL

## Pentachlor

N-(3-Chloro-4-methylphenyl)-2-methylpentanamide



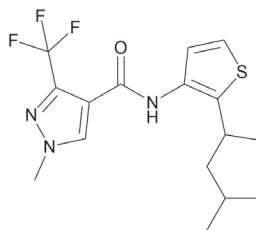
PCNB

**CAS** 2307-68-8 **MF** C<sub>13</sub>H<sub>18</sub>ClNO **MW** 239.74 **PS** S  
**SG** 1.11 g/cm<sup>3</sup> **MP** 85-86 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1067N	10 mg
100 µg/mL in MeOH	P-1067S	1 mL

## Penthiopyrad

N-[2-(1,3-Dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-1H-pyrazole-4-carboxamide

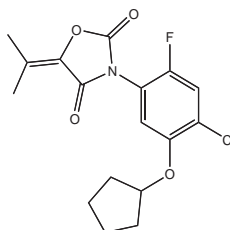


**CAS** 183675-82-3 **MF** C<sub>16</sub>H<sub>20</sub>F<sub>3</sub>N<sub>3</sub>SO **MW** 359.41  
**PS** S **MP** 108-109 °C **BP** Decomp. 314 °C  
**SOL** M,EA,T,A,CN

Matrix	Cat. No.	Unit
NEAT	P-1131N	10 mg
100 µg/mL in ACN	P-1131S-CN	1 mL
1000 µg/mL in ACN	P-1131S-CN-10X	1 mL

## Pentoxazone

3-(4-Chloro-5-cyclopentyloxy-2-fluorophenyl)-5-isopropylidene-1,3-oxazolidine-2,4-dione

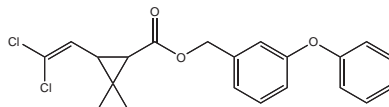


**CAS** 110956-75-7 **MF** C<sub>17</sub>H<sub>17</sub>ClFNO<sub>4</sub> **MW** 353.77  
**PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 104 °C **SOL** M,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1051S-0.1X	1 mL
1000 µg/mL in ACN	P-1051S-CN-10X	1 mL

## Permethrin

3-Phenoxybenzyl (1RS)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

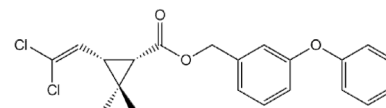


**CAS** 52645-53-1 **MF** C<sub>21</sub>H<sub>20</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 391.29  
**PS** L **SG** 1.19-1.27 g/cm<sup>3</sup> **BP** 200 °C (0.1 mm Hg)  
**FP** >100 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-128N	10 mg
100 µg/mL in MeOH	P-128S	1 mL
1000 µg/mL in Acetone	P-128S-A-10X	1 mL

## cis-Permethrin

(3-Phenoxyphenyl) methyl ester (1R-cis)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

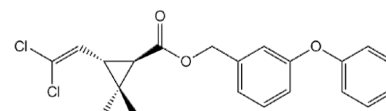


**CAS** 61949-76-6 **MF** C<sub>21</sub>H<sub>20</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 391.3 **PS** S  
**MP** 53-54.4 °C **SOL** H,D,EA,CN,TP,A,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-815S-CN	1 mL

## trans-Permethrin

3-Phenoxybenzyl (1R)-trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

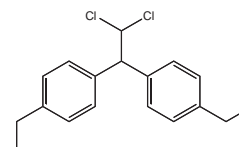


**CAS** 61949-77-7 **MF** C<sub>21</sub>H<sub>20</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 391.3 **PS** S  
**MP** 44.5-45.6 °C **SOL** H,D,EA,CN,M,TP,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-814S-CN	1 mL

## Perthane

1,1-Dichloro-2,2-bis(p-ethylphenyl)ethane



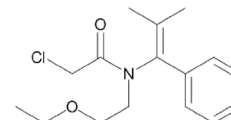
p,p'-Ethyl DDD, Ethylan

**CAS** 72-56-0 **MF** C<sub>18</sub>H<sub>20</sub>Cl<sub>2</sub> **MW** 307.26 **PS** S  
**SG** 1.13 g/cm<sup>3</sup> **MP** 60 °C **FP** >100 °C  
**SOL** M,A,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-162N	10 mg
100 µg/mL in MeOH	P-162S	1 mL

## Pethoxamid

2-Chloro-N-(2-ethoxyethyl)-N-(2-methyl-1-phenylprop-1-enyl)acetamide



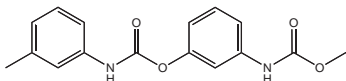
**CAS** 106700-29-2 **MF** C<sub>16</sub>H<sub>22</sub>ClNO<sub>2</sub> **MW** 295.80  
**PS** S **SG** 1.19 g/cm<sup>3</sup> **MP** 37-38 °C **FP** 182 °C  
**SOL** H,M,EA,A,W

Matrix	Cat. No.	Unit
NEAT	P-1047N	10 mg
100 µg/mL in MeOH	P-1047S	1 mL

# Individual Pesticides

## Phenmedipham

Methyl 3-(3-methylcarbaniloyloxy)carbanilate

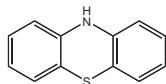


PMP

**CAS** 13684-63-4 **MF** C<sub>16</sub>H<sub>16</sub>N<sub>2</sub>O<sub>4</sub> **MW** 300.31 **PS** S  
**SG** 0.54 g/cm<sup>3</sup> **MP** 143-144 °C  
**SOL** M,A,CN,EA,T,D,H

Matrix	Cat. No.	Unit
NEAT	P-392N	10 mg
100 µg/mL in MeOH	P-392S	1 mL
1000 µg/mL in ACN	P-392S-CN-10X	1 mL

## Phenothiazine

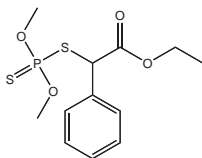


**CAS** 92-84-2 **MF** C<sub>12</sub>H<sub>9</sub>N<sub>3</sub> **MW** 199.27 **PS** S  
**SG** 1.34 g/cm<sup>3</sup> **MP** 182-187 °C **BP** 371 °C  
**FP** 202 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-579N	10 mg
100 µg/mL in MeOH	P-579S	1 mL

## Phenthoate

S-alpha-Ethoxycabonylbenzyl  
O,O-dimethyl phosphorodithioate

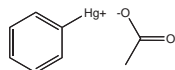


**CAS** 2597-03-7 **MF** C<sub>12</sub>H<sub>17</sub>O<sub>4</sub>PS<sub>2</sub> **MW** 320.37 **PS** L  
**SG** 1.23 g/cm<sup>3</sup> **FP** 165-170 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-476N	10 mg
100 µg/mL in MeOH	P-476S	1 mL
1000 µg/mL in Acetone	P-476S-A-10X	1 mL

## Phenyl mercury acetate

(Acetato-O)phenylmercury (9Cl)

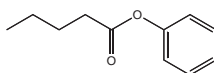


**CAS** 62-38-4 **MF** C<sub>8</sub>H<sub>8</sub>HgO<sub>2</sub> **MW** 336.74 **PS** S  
**MP** 148-151 °C **FP** 302 °C **SOL** M,A,W

Matrix	Cat. No.	Unit
NEAT	P-393N	10 mg
100 µg/mL in MeOH	P-393S	1 mL

## Phenyl valerate

Valeric acid, phenyl ester



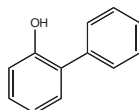
Pentanoic acid, phenyl ester, Phenyl pentanoate

**CAS** 20115-23-5 **MF** C<sub>11</sub>H<sub>14</sub>O<sub>2</sub> **MW** 178.23 **PS** L  
**SG** 1.01 g/cm<sup>3</sup> **BP** 250 °C **FP** 95 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-734N	10 mg
100 µg/mL in MeOH	P-734S	1 mL

## o-Phenylphenol

2-Hydroxybiphenyl



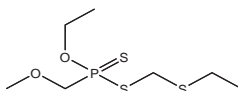
2-Phenylphenol

**CAS** 90-43-7 **MF** C<sub>12</sub>H<sub>10</sub>O **MW** 170.21 **PS** S  
**SG** 1.24 g/cm<sup>3</sup> **MP** 58 °C **BP** 284 °C **FP** 124 °C  
**SOL** M,A,D,H,T,CN, EA,W

Matrix	Cat. No.	Unit
NEAT	P-460N	10 mg
100 µg/mL in MeOH	P-460S	1 mL

## Phorate

O,O-Diethyl S-ethylthiomethyl phosphorodithioate



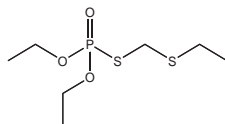
Thimet

**CAS** 298-02-2 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>2</sub>PS<sub>3</sub> **MW** 260.38 **PS** L  
**SG** 1.17 g/cm<sup>3</sup> **BP** 118-120 °C (0.8mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-170N	10 mg
100 µg/mL in MeOH	P-170S	1 mL
1000 µg/mL in MeOH	P-170S-10X	1 mL
1000 µg/mL in Acetone	P-170S-A-10X	1 mL

## Phorate-oxon

O,O-Diethyl S-[(ethylthio)methyl]phosphorothioate

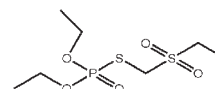


**CAS** 2600-69-3 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 244.31 **PS** L  
**SOL** T,CN,M

Matrix	Cat. No.	Unit
10 µg/mL in Toluene	P-1018S-T-0.1X	1 mL
100 µg/mL in ACN	P-1018S-CN	1 mL
1000 µg/mL in MeOH	P-1018S-10X	1 mL

## Phorate-oxon sulfone

O,O-Diethyl S-[(ethylsulfonyl)methyl] phosphorothioate

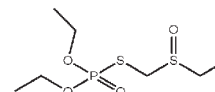


**CAS** 2588-06-9 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>5</sub>PS<sub>2</sub> **MW** 276.31 **PS** L  
**SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1161S-CN	1 mL
1000 µg/mL in MeOH	P-1161S-10X	1 mL

## Phorate-oxon sulfoxide

O,O-Diethyl S-[(ethylsulfinyl)methyl] phosphorothioate

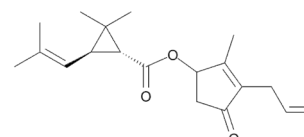


**CAS** 2588-05-8 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>4</sub>PS<sub>2</sub> **MW** 260.31 **PS** L  
**SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1153S-CN	1 mL
1000 µg/mL in MeOH	P-1153S-10X	1 mL

## Phorate sulfone

O,O-Diethyl-S-ethylsulfonylmethyl phosphorodithioate



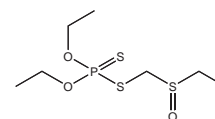
Thimet sulfone

**CAS** 2588-04-7 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>4</sub>PS<sub>3</sub> **MW** 292.38 **PS** L  
**SOL** M,A,H,T,CN,TP

Matrix	Cat. No.	Unit
100 µg/mL in Hexane	P-655S-H	1 mL
1000 µg/mL in MeOH	P-655S-10X	1 mL

## Phorate sulfoxide

O,O-Diethyl S-[(ethylsulfinyl)methyl] phosphorothioate



**CAS** 2588-03-6 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>3</sub>PS<sub>3</sub> **MW** 276.38  
**SG** 1.30 g/cm<sup>3</sup> **SOL** M,T,CN

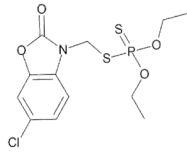
Matrix	Cat. No.	Unit
NEAT	P-732N	10 mg
100 µg/mL in ACN	P-732S-CN	1 mL
1000 µg/mL in ACN	P-732S-CN-10X	1 mL



# Individual Pesticides

## Phosalone

S-6-Chloro-2,3-dihydro-2-oxobenzoxazol-3-ylmethyl O,O-diethyl phosphorodithioate



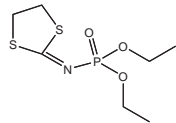
Zolone

**CAS** 2310-17-0 **MF** C<sub>12</sub>H<sub>15</sub>ClNO<sub>4</sub>PS<sub>2</sub> **MW** 367.81  
**PS** S **SG** 1.34 g/cm<sup>3</sup> **MP** 42-48 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-163N	10 mg
100 µg/mL in MeOH	P-163S	1 mL
1000 µg/mL in Acetone	P-163S-A-10X	1 mL

## Phosfolan

Diethyl 1,3-dithiolan-2-ylidene phosphoramidate

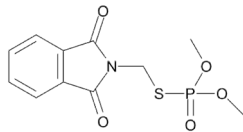


**CAS** 947-02-4 **MF** C<sub>7</sub>H<sub>11</sub>NO<sub>3</sub>PS<sub>2</sub> **MW** 255.3 **PS** S  
**MP** 37-45 °C **BP** 100-105 °C (0.001 mm Hg)  
**SOL** M,A,D,H

Matrix	Cat. No.	Unit
NEAT	P-234N	10 mg
100 µg/mL in MeOH	P-234S	1 mL
1000 µg/mL in MeOH	P-234S-10X	1 mL
1000 µg/mL in Acetone	P-234S-A-10X	1 mL

## Phosmet oxon

2-(Dimethoxyphosphorylsulfanylmethyl)isoindole-1,3-dione



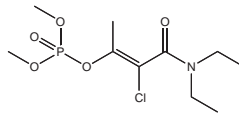
Imidoxon

**CAS** 3735-33-9 **MF** C<sub>11</sub>H<sub>12</sub>NO<sub>3</sub>PS **MW** 301.25  
**PS** S **MP** 76.1-78.9 °C **SOL** D,H,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-733S-CN	1 mL

## Phosphamidon

2-Chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate

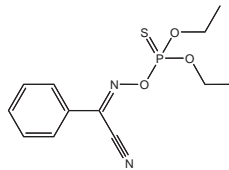


**CAS** 13171-21-6 **MF** C<sub>10</sub>H<sub>19</sub>ClNO<sub>5</sub>P **MW** 299.69  
**PS** L **SG** 1.21 g/cm<sup>3</sup> **BP** 162 °C (1.5 mm Hg)  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-075N	10 mg
100 µg/mL in MeOH	P-075S	1 mL
1000 µg/mL in Acetone	P-075S-A-10X	1 mL

## Phoxim

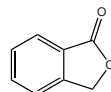
O,O-Diethyl alpha-cyanobenzylideneamino-phosphorothioate



**CAS** 14816-18-3 **MF** C<sub>12</sub>H<sub>15</sub>N<sub>2</sub>O<sub>3</sub>PS **MW** 298.3  
**PS** L **SG** 1.21 g/cm<sup>3</sup> **BP** Decomp.  
**SOL** M,A,CN,D,DMSO

Matrix	Cat. No.	Unit
NEAT	P-357N	10 mg
100 µg/mL in MeOH	P-357S	1 mL
1000 µg/mL in ACN	P-357S-CN-10X	1 mL

## Phthalide



Isobenzofuranone

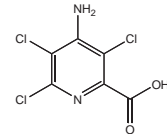
**CAS** 87-41-2 **MF** C<sub>8</sub>H<sub>6</sub>O<sub>2</sub> **MW** 134.13 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 72-74 °C **BP** 289-291 °C  
**FP** 152 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1022N	10 mg
100 µg/mL in MeOH	P-1022S	1 mL

▲ May esterify in methanol

## Picloram

4-Amino-3,5,6-trichloro-2-picolinic acid



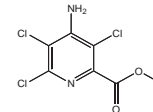
ATCP, Tordon

**CAS** 1918-02-1 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub>N<sub>2</sub>O<sub>2</sub> **MW** 241.46 **PS** S  
**SG** 0.85 g/cm<sup>3</sup> **MP** Decomp. 215 °C  
**SOL** M,A,D,H,T,CN,W

Matrix	Cat. No.	Unit
NEAT	P-047N	10 mg
100 µg/mL in MeOH	P-047S ▲	1 mL
1000 µg/mL in MeOH	P-047S-10X ▲	1 mL

## Picloram methyl ester

Methyl 4-amino-3,5,6-trichloro-2-picolinate

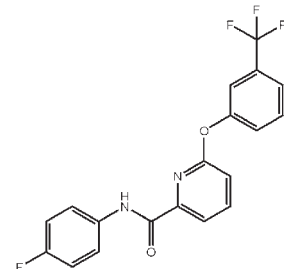


**CAS** 14143-55-6 **MF** C<sub>7</sub>H<sub>5</sub>Cl<sub>3</sub>N<sub>2</sub>O<sub>2</sub> **MW** 255.48  
**MP** 132-134 °C **SOL** M,A,D,H,TP

Matrix	Cat. No.	Unit
NEAT	P-198N	10 mg
100 µg/mL in MeOH	P-198S	1 mL

## Picolinafen

4'-Fluoro-6-(a,a,a-trifluoro-m-tolyloxy)pyridine-2-carboxanilide



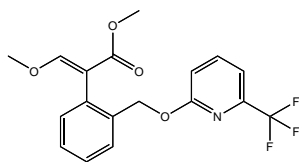
**CAS** 137641-05-5 **MF** C<sub>19</sub>H<sub>12</sub>F<sub>4</sub>N<sub>2</sub>O<sub>2</sub> **MW** 376.30  
**PS** S **SG** 1.45 g/cm<sup>3</sup> **MP** 107-108 °C  
**BP** Decomp. 230 °C **SOL** M,CN,A,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-1061N	10 mg
100 µg/mL in MeOH	P-1061S	1 mL
1000 µg/mL in MeOH	P-1061S-10X	1 mL

# Individual Pesticides

## Picoxystrobin

Methyl-(E)-3-methoxy-2-[2-[6-(trifluoromethyl)-2-pyridyloxyethyl]phenyl]acrylate

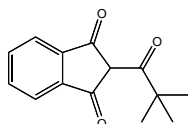


**CAS** 117428-22-5 **MF** C<sub>18</sub>H<sub>16</sub>F<sub>3</sub>NO<sub>4</sub> **MW** 367.32  
**PS S** **SG** 1.40 g/cm<sup>3</sup> **MP** 75 °C  
**BP** Decomp. 242 °C **SOL** A,T,CN,M,EA

Matrix	Cat. No.	Unit
NEAT	P-860N	10 mg
100 µg/mL in ACN	P-860S-CN	1 mL
1000 µg/mL in Acetone	P-860S-A-10X	1 mL

## Pindone

2-(2,2-Dimethylpropanoyl)-1H-indene-1,3(2H)-dione



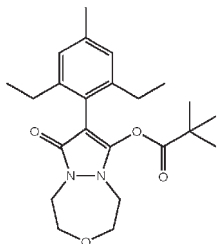
*Pival*

**CAS** 83-26-1 **MF** C<sub>14</sub>H<sub>14</sub>O<sub>3</sub> **MW** 230.26 **PS S**  
**SG** 1.06 g/cm<sup>3</sup> **MP** 109-111 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-394N	10 mg
100 µg/mL in MeOH	P-394S	1 mL

## Pinoxaden

8-(2,6-Diethyl-p-tolyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5]oxadiazepin-9-yl 2,2-dimethylpropionate



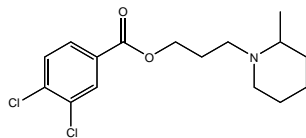
*Axial*

**CAS** 243973-20-8 **MF** C<sub>23</sub>H<sub>32</sub>N<sub>2</sub>O<sub>4</sub> **MW** 400.51  
**PS S** **SG** 1.16 g/cm<sup>3</sup> **MP** 120-122 °C  
**BP** Decomp. 335 °C **SOL** A,D,H,T,M,CN

Matrix	Cat. No.	Unit
NEAT	P-1154N	10 mg
100 µg/mL in ACN	P-1154S-CN	1 mL
1000 µg/mL in ACN	P-1154S-CN-10X	1 mL

## Piperalin

3-(2-Methylpiperidino)propyl 3,4-dichlorobenzoate



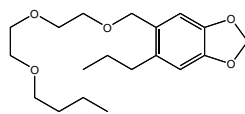
*Pipron*

**CAS** 3478-94-2 **MF** C<sub>16</sub>H<sub>21</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 330.25  
**PS L** **SG** 1.19 g/cm<sup>3</sup> **BP** 156-157 °C (20mm Hg)  
**FP** 71 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-663N	10 mg
100 µg/mL in ACN	P-663S-CN	1 mL

## Piperonyl butoxide

5-[2-(2-Butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole

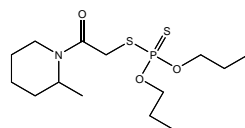


**CAS** 51-03-6 **MF** C<sub>16</sub>H<sub>30</sub>O<sub>5</sub> **MW** 338.44 **PS L**  
**SG** 1.06 g/cm<sup>3</sup> **BP** 180 °C (1mm Hg) **FP** 171 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-348N	10 mg
100 µg/mL in MeOH	P-348S	1 mL
1000 µg/mL in MeOH	P-348S-10X	1 mL

## Piperophos

S-2-Methylpiperidincarbonylmethyl O,O-dipropyl phosphorothioate



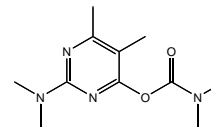
*Rilof*

**CAS** 24151-93-7 **MF** C<sub>14</sub>H<sub>28</sub>NO<sub>3</sub>PS<sub>2</sub> **MW** 353.48  
**PS L** **SG** 1.15 g/cm<sup>3</sup> **BP** Decomp. 190 °C  
**FP** >100 °C **SOL** M,A,D,H

Matrix	Cat. No.	Unit
NEAT	P-656N	10 mg
1000 µg/mL in Acetone	P-656S-A-10X	1 mL

## Pirimicarb

2-Dimethylamino-5,6-dimethylpyrimidin-4-yl dimethylcarbamate



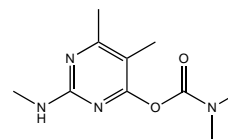
*Pirimor*

**CAS** 23103-98-2 **MF** C<sub>11</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub> **MW** 238.29 **PS S**  
**SG** 1.21 g/cm<sup>3</sup> **MP** 91 °C **FP** >100 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-304N	10 mg
100 µg/mL in MeOH	P-304S	1 mL
1000 µg/mL in ACN	P-304S-CN-10X	1 mL

## Pirimicarb-desmethyl

5,6-Dimethyl-2-(methylamino)-4-pyrimidinyl dimethylcarbamate

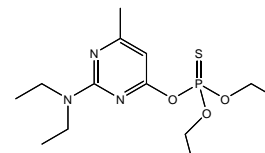


**CAS** 30614-22-3 **MF** C<sub>10</sub>H<sub>16</sub>N<sub>4</sub>O<sub>2</sub> **MW** 224.26 **PS S**  
**SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1139S-CN	1 mL

## Pirimiphos-ethyl

O-2-Diethylamino-6-methylpyrimidin-4-yl O,O-diethyl phosphorothioate



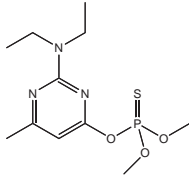
**CAS** 23505-41-1 **MF** C<sub>13</sub>H<sub>24</sub>N<sub>3</sub>O<sub>3</sub>PS **MW** 333.39  
**PS L** **SG** 1.14 g/cm<sup>3</sup> **BP** Decomp. 194 °C  
**FP** >60 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-328N	10 mg
100 µg/mL in MeOH	P-328S	1 mL
100 µg/mL in Acetone	P-328S-A-10X	1 mL

# Individual Pesticides

## Pirimiphos-methyl

O-2-Diethylamino-6-methylpyrimidin-4-yl  
O,O-dimethyl phosphorothioate

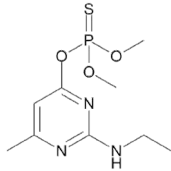


CAS 29232-93-7 MF C<sub>11</sub>H<sub>20</sub>N<sub>3</sub>O<sub>3</sub>PS MW 305.37  
PS L SG 1.17 g/cm<sup>3</sup> BP Decomp. FP >46 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-305N	10 mg
100 µg/mL in MeOH	P-305S	1 mL
1000 µg/mL in Acetone	P-305S-A-10X	1 mL

## Pirimiphos-methyl-N-desethyl

O-[2-(Ethylamino)-6-methyl-4-pyrimidinyl] dihydro-  
gen phosphorothioate

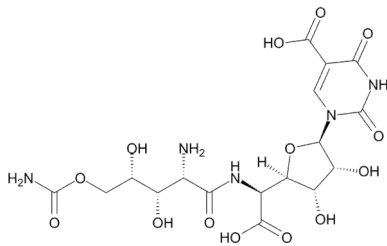


CAS 67018-59-1 MF C<sub>9</sub>H<sub>16</sub>N<sub>3</sub>O<sub>3</sub>PS MW 277.28  
PS S SOL CN,TP,A,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1331S-CN	1 mL

## Polyoxin D

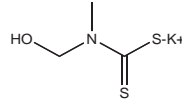
1-[(2R,3R,4S,5R)-5-[(S)-[(2S,3S,4S)-2-amino-  
5-carbamoyloxy-3,4-dihydroxypentanoyl]amino]-  
carboxymethyl]-3,4-dihydroxoxolan-2-yl]-2,4-  
dioxypyrimidine-5-carboxylic acid



CAS 22976-86-9 MF C<sub>17</sub>H<sub>23</sub>N<sub>5</sub>O<sub>14</sub> MW 521.4 PS L  
SOL CN,W

Matrix	Cat. No.	Unit
NEAT	P-1319N-5MG	5 mg
100 µg/mL in Water	P-1319S-W	1 mL

## Potassium n-hydroxymethyl-n-methyl dithiocarbamate



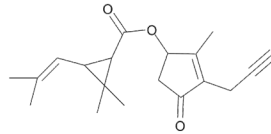
Busan 40

CAS 51026-28-9 MF C<sub>3</sub>H<sub>6</sub>KNOS<sub>2</sub> MW 175.32  
PS L SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-715S-CN	1 mL

## Prallethrin

2-Methyl-4-oxo-3-(prop-2-ynyl)cyclopent-2-en-1-yl  
2,2-dimethyl-3-(2-methylprop-1-enyl)  
cyclopropanecarboxylate



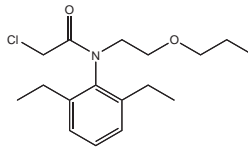
Etoc

CAS 23031-36-9 MF C<sub>19</sub>H<sub>24</sub>O<sub>3</sub> MW 300.39 PS L  
SG 1.03 g/cm<sup>3</sup> BP >314 °C FP 168 °C  
SOL M,A,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-667S	1 mL

## Pretilachlor

2-Chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide

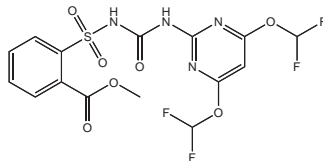


CAS 51218-49-6 MF C<sub>17</sub>H<sub>26</sub>ClNO<sub>2</sub> MW 311.85  
PS L SG 1.07 g/cm<sup>3</sup> BP 135 °C (0.001mg Hg)  
FP 129 °C SOL M,A,CN,H,D

Matrix	Cat. No.	Unit
NEAT	P-485N	10 mg
100 µg/mL in MeOH	P-485S	1 mL

## Primisulfuron-methyl

3-(4,6-bis(Difluoromethoxy)pyrimidin-2-yl)-  
1-(2-methoxycarbonylphenylsulfonyl)urea



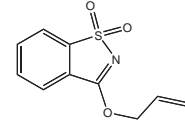
Beacon

CAS 86209-51-0 MF C<sub>15</sub>H<sub>12</sub>F<sub>4</sub>N<sub>4</sub>O<sub>7</sub>S MW 468.34  
PS S SG 1.61 g/cm<sup>3</sup> MP 170 °C (decomp.)  
SOL CN,A,T,H

Matrix	Cat. No.	Unit
NEAT	P-833N	10 mg
100 µg/mL in ACN	P-833S-CN	1 mL

## Probenazole

3-Allyloxy-1,2-benz[d]isothiazole 1,1-dioxide

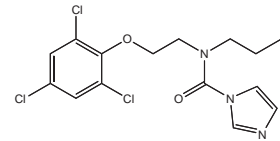


CAS 27605-76-1 MF C<sub>10</sub>H<sub>9</sub>NO<sub>3</sub>S MW 223.25 PS S  
SG 1.33 g/cm<sup>3</sup> MP 138 °C BP 369 °C FP 177 °C  
SOL A,CN

Matrix	Cat. No.	Unit
NEAT	P-710N	10 mg
100 µg/mL in Acetone	P-710S-A	1 mL
1000 µg/mL in Acetone	P-710S-A-10X	1 mL

## Prochloraz

N-Propyl-N-(2,4,6-trichlorophenoxy)  
ethyl-imidazole-1-carboxamide

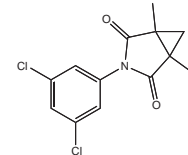


CAS 67747-09-5 MF C<sub>15</sub>H<sub>16</sub>Cl<sub>3</sub>N<sub>3</sub>O<sub>2</sub> MW 376.66  
PS S SG 1.42 g/cm<sup>3</sup> MP 46.5-49.3 °C  
BP Decomp. 200 °C FP 160 °C  
SOL M,A,D,H,T,CN,EA,DMSO,IPA

Matrix	Cat. No.	Unit
NEAT	P-549N	10 mg
100 µg/mL in MeOH	P-549S	1 mL
1000 µg/mL in Acetone	P-549S-A-10X	1 mL

## Procymidone

N-(3,5-Dichlorophenyl)-1,  
2-dimethylcyclopropane-1,2-dicarboximide



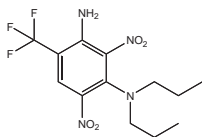
CAS 32809-16-8 MF C<sub>13</sub>H<sub>11</sub>Cl<sub>2</sub>NO<sub>2</sub> MW 284.14  
PS S SG 1.45 g/cm<sup>3</sup> MP 166-167 °C FP >100 °C  
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-430N	10 mg
100 µg/mL in MeOH	P-430S	1 mL
1000 µg/mL in Acetone	P-430S-A-10X	1 mL

# Individual Pesticides

## Prodiamine

2-Dipropylamino- $\alpha,\alpha,\alpha$ -trifluoro-4,6-dinitro-*o*-toluidine

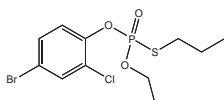


**CAS** 29091-21-2 **MF** C<sub>13</sub>H<sub>17</sub>F<sub>3</sub>N<sub>4</sub>O<sub>4</sub> **MW** 350.29  
**PS** S **SG** 1.47 g/cm<sup>3</sup> **MP** 123-124 °C  
**BP** Decomp. 240 °C **SOL** M,A,IPA

Matrix	Cat. No.	Unit
NEAT	P-739N	10 mg
100 µg/mL in MeOH	P-739S	1 mL

## Profenofos

O-4-Bromo-2-chlorophenyl O-ethyl S-propyl phosphorothioate

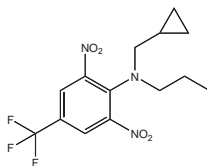


**CAS** 41198-08-7 **MF** C<sub>11</sub>H<sub>15</sub>BrClO<sub>3</sub>PS **MW** 373.63  
**PS** L **SG** 1.46 g/cm<sup>3</sup> **BP** 110 °C (1.80 Pa)  
**FP** 124 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-260N	10 mg
100 µg/mL in MeOH	P-260S	1 mL
1000 µg/mL in Acetone	P-260S-A-10X	1 mL

## Profluralin

N-(Cyclopropylmethyl)- $\alpha,\alpha,\alpha$ -trifluoro-2,6-dinitro-N-propyl-*p*-toluidine

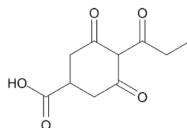


Tolban

**CAS** 26399-36-0 **MF** C<sub>14</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub> **MW** 347.29  
**PS** L,S **SG** 1.38 g/cm<sup>2</sup> **MP** 32-33 °C  
**SOL** M,A,D,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-099N	10 mg
100 µg/mL in MeOH	P-099S	1 mL
1000 µg/mL in MeOH	P-099S-10X	1 mL

## Prohexadione

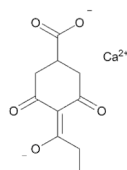


**CAS** 88805-35-0 **MF** C<sub>10</sub>H<sub>12</sub>O<sub>5</sub> **MW** 212.2  
**PS** S **SG** 1.3 g/cm<sup>3</sup> **MP** 113-115 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1498N	10 mg
100 µg/mL in ACN	P-1498S-CN	1 mL

## Prohexadione-calcium

Calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate

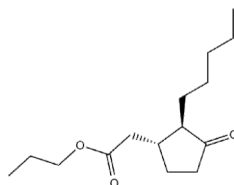


**CAS** 127277-53-6 **MF** C<sub>20</sub>H<sub>22</sub>CaO<sub>10</sub> **MW** 462.46  
**PS** S **SG** 1.46 g/cm<sup>3</sup> **MP** >360 °C **SOL** H,EA,M,A

Matrix	Cat. No.	Unit
NEAT	P-1068N	10 mg

## Prohydrojasmon (Tech Mix)

Propyl (1RS,2RS)-(3-oxo-2-pentylcyclopentyl)acetate

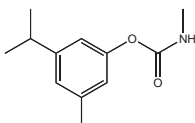


**CAS** 158474-72-7 **MF** C<sub>15</sub>H<sub>26</sub>O<sub>3</sub> **MW** 254.37 **PS** L  
**SG** 0.97 g/cm<sup>3</sup> **BP** 318 °C (100.7kPa) **FP** 165 °C  
**SOL** M,CN,TP,H,A,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1342S	1 mL

## Promecarb

3-Isopropyl-5-methylphenyl methylcarbamate

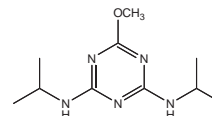


**CAS** 2631-37-0 **MF** C<sub>12</sub>H<sub>17</sub>NO<sub>2</sub> **MW** 207.27 **PS** S  
**SG** 1.02 g/cm<sup>3</sup> **MP** 87-88 °C **FP** 124 °C  
**BP** 117 °C (0.1mm Hg) **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-265N	10 mg
100 µg/mL in MeOH	P-265S	1 mL
1000 µg/mL in ACN	P-265S-CN-10X	1 mL

## Prometon

6-Methoxy-N,N'-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine



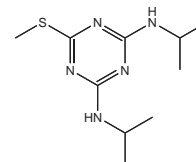
Pramitol

**CAS** 1610-18-0 **MF** C<sub>10</sub>H<sub>13</sub>N<sub>3</sub>O **MW** 225.34 **PS** S  
**SG** 1.09 g/cm<sup>3</sup> **MP** 91-92 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-077N	10 mg
100 µg/mL in MeOH	P-077S	1 mL
1000 µg/mL in MeOH	P-077S-10X	1 mL

## Prometryne

2-Methylthio-4,6-bis(isopropyl amino)-1,3,5-triazine



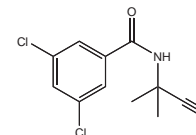
Prometrin

**CAS** 7287-19-6 **MF** C<sub>10</sub>H<sub>13</sub>N<sub>3</sub>S **MW** 241.36 **PS** S  
**SG** 1.15 g/cm<sup>3</sup> **MP** 119 °C **BP** >300 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-078N	10 mg
100 µg/mL in MeOH	P-078S	1 mL
1000 µg/mL in Acetone	P-078S-A-10X	1 mL

## Pronamide

3,5-Dichloro-N-(1,1-dimethylpropynyl)benzamide



Kerb, Propyzamide

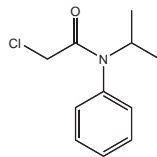
**CAS** 23950-58-5 **MF** C<sub>12</sub>H<sub>11</sub>Cl<sub>2</sub>NO **MW** 256.13  
**PS** S **SG** 1.33 g/cm<sup>3</sup> **MP** 155-156 °C **BP** Decomp.  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-164N	10 mg
100 µg/mL in MeOH	P-164S	1 mL
1000 µg/mL in MeOH	P-164S-10X	1 mL

# Individual Pesticides

## Propachlor

2-Chloro-N-isopropylacetanilide



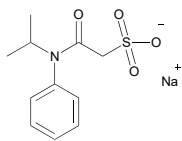
Ramrod

**CAS** 1918-16-7 **MF** C<sub>11</sub>H<sub>14</sub>ClNO **MW** 211.69  
**PS S** **SG** 1.24 g/cm<sup>3</sup> **BP** 110 °C (0.03mm Hg)  
**MP** 77 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-215N	10 mg
100 µg/mL in MeOH	P-215S	1 mL
1000 µg/mL in MeOH	P-215S-10X	1 mL

## Propachlor ESA sodium salt

Sodium 2-[(1-methylethyl)-phenylamino]-2-oxo-ethane-sulfonate

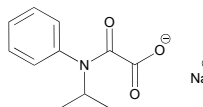


**CAS** 947601-88-9 **MF** C<sub>11</sub>H<sub>14</sub>NSO<sub>4</sub>Na **MW** 297 °C  
**PS S** **MP** 224-226 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-919S	1 mL

## Propachlor OA sodium salt

Sodium [(1-methylethyl)-phenylamino]-oxo-acetate

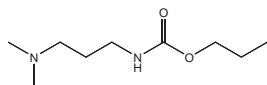


**CAS** N/A **MF** C<sub>11</sub>H<sub>12</sub>NNaO<sub>3</sub> **MW** 229 **PS S**  
**MP** 260-264 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-921S	1 mL

## Propamocarb

Propyl 3-(dimethylamino)propylcarbamate

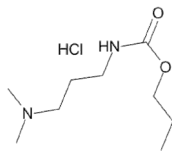


**CAS** 24579-73-5 **MF** C<sub>9</sub>H<sub>20</sub>N<sub>2</sub>O<sub>2</sub> **MW** 188.27 **PS L**  
**SG** 0.96 g/cm<sup>3</sup> **FP** 100 °C **SOL** M,A,D,T,CN,EA,H

Matrix	Cat. No.	Unit
NEAT	P-312N	10 mg
100 µg/mL in MeOH	P-312S	1 mL
1000 µg/mL in ACN	P-312S-CN-10X	1 mL

## Propamocarb hydrochloride

Propyl 3-(dimethylamino)propylcarbamate hydrochloride

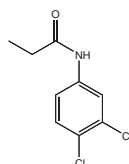


**CAS** 25606-41-1 **MF** C<sub>9</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>2</sub> **MW** 224.73  
**PS S** **SG** 1.16 g/cm<sup>3</sup> **MP** 64-65 °C  
**BP** Decomp. 150 °C **SOL** M,CN,A,D,EA,T,H

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1137S-CN	1 mL

## Propanil

3',4'-Dichloropropionanilide



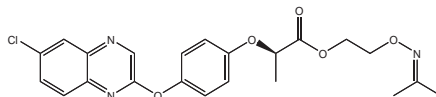
3,4-DCPA

**CAS** 709-98-8 **MF** C<sub>9</sub>H<sub>9</sub>Cl<sub>2</sub>NO **MW** 218.08 **PS S**  
**SG** 1.41 g/cm<sup>3</sup> **MP** 92-93 °C **BP** 351 °C  
**FP** >100 °C **SOL** M,A,D,H,CN,EA,T,IPA

Matrix	Cat. No.	Unit
NEAT	P-049N	10 mg
100 µg/mL in MeOH	P-049S	1 mL
1000 µg/mL in Acetone	P-049S-A-10X	1 mL

## Propaquizafop

2-Isopropylideneaminoxyethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate

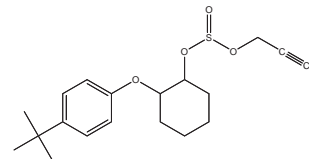


**CAS** 111479-05-1 **MF** C<sub>22</sub>H<sub>22</sub>ClN<sub>3</sub>O<sub>5</sub> **MW** 443.88 **PS S**  
**SG** 1.30 g/cm<sup>3</sup> **MP** 62-65 °C **BP** Decomp. 260 °C  
**FP** >100 °C **SOL** A,M,T,CN,D,EA,H

Matrix	Cat. No.	Unit
NEAT	P-908N	10 mg
100 µg/mL in ACN	P-908S-CN	1 mL
1000 µg/mL in ACN	P-908S-CN-10X	1 mL

## Propargite

2-(4-tert-Butylphenoxy)cyclohexyl prop-2-ynyl sulfite



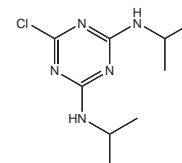
Omite

**CAS** 2312-35-8 **MF** C<sub>19</sub>H<sub>26</sub>O<sub>2</sub>S **MW** 350.47 **PS L**  
**SG** 1.11 g/cm<sup>3</sup> **BP** Decomp. 210 °C **FP** 71 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-251N	10 mg
100 µg/mL in MeOH	P-251S	1 mL

## Propazine

6-Chloro-N,N'-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine



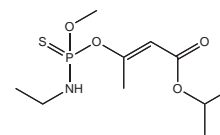
Prozinex

**CAS** 139-40-2 **MF** C<sub>9</sub>H<sub>16</sub>ClN<sub>3</sub> **MW** 229.71 **PS S**  
**SG** 1.16 g/cm<sup>3</sup> **MP** 224-225 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-079N	10 mg
100 µg/mL in MeOH	P-079S	1 mL
1000 µg/mL in MeOH	P-079S-10X	1 mL

## Propetamphos

(E)-O-2-Isopropoxycarbonyl-1-methylvinyl O-methyl ethylphosphoramidothioate



Safrotin

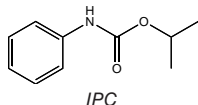
**CAS** 31218-83-4 **MF** C<sub>10</sub>H<sub>20</sub>NO<sub>4</sub>PS **MW** 281.31  
**PS L** **SG** 1.13 g/cm<sup>3</sup> **BP** 87-89 °C (0.005mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-417N	10 mg
100 µg/mL in MeOH	P-417S	1 mL
1000 µg/mL in MeOH	P-417S-10X	1 mL

# Individual Pesticides

## Propham

1-Methylethylphenyl carbamate

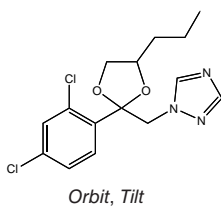


**CAS** 122-42-9 **MF** C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub> **MW** 179.22 **PS** S  
**SG** 1.09 g/cm<sup>3</sup> **MP** 87-88 °C **BP** Decomp. 100 °C  
**SOL** M,A,H,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-052N	10 mg
100 µg/mL in MeOH	P-052S	1 mL
1000 µg/mL in MeOH	P-052S-10X	1 mL

## Propiconazole

1-(2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-ylmethyl)-1H-1,2,4-triazole

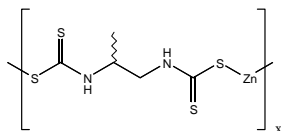


**CAS** 60207-90-1 **MF** C<sub>15</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>2</sub> **MW** 342.22  
**PS** L **SG** 1.29 g/cm<sup>3</sup> **BP** 180 °C (0.1mm Hg)  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-280N	10 mg
100 µg/mL in MeOH	P-280S	1 mL
1000 µg/mL in Acetone	P-280S-A-10X	1 mL

## Propineb

[[[1-Methyl-1,2-ethanediy]bis[carbamodithioato]](2-)]zinc

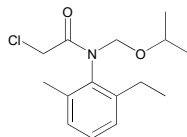


**CAS** 12071-83-9 **MF** (C<sub>5</sub>H<sub>8</sub>N<sub>2</sub>S<sub>2</sub>Zn)<sub>x</sub> **MW** (689.78)<sub>x</sub>  
**PS** S **SG** 1.81 g/cm<sup>3</sup> **BP** Decomp. 150 °C  
**SOL** T,A,D,CN,DMSO

Matrix	Cat. No.	Unit
NEAT	P-608N	10 mg

## Propisochlor

2-Chloro-N-(2-ethyl-6-methylphenyl)-N-((1-methylethoxy)methyl)acetamide

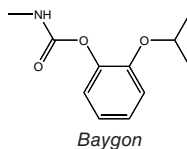


**CAS** 86763-47-5 **MF** C<sub>15</sub>H<sub>22</sub>ClNO<sub>2</sub> **MW** 283.8 **PS** L  
**SG** 1.09 g/cm<sup>3</sup> **MP** 22 °C **BP** decomp. 150 °C  
**SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1158S-CN	1 mL
1000 µg/mL in ACN	P-1158S-CN-10X	1 mL

## Propoxur

2-Isopropoxyphenyl methylcarbamate

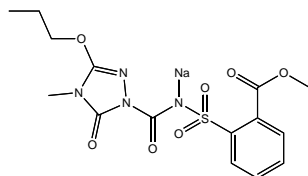


**CAS** 114-26-1 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>3</sub> **MW** 209.24 **PS** S  
**SG** 1.17 g/cm<sup>3</sup> **MP** 87 °C **BP** Decomp.  
**SOL** M,A,D,H,T,CN,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-009N	10 mg
100 µg/mL in MeOH	P-009S	1 mL
1000 µg/mL in ACN	P-009S-CN-10X	1 mL

## Propoxycarbazone-sodium salt

2-[(4-Methyl-5-oxo-3-propoxy-1,2,4-triazolin-1-yl)carbamidosulfonyl]benzoic acid methyl ester sodium salt

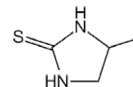


**CAS** 181274-15-7 **MF** C<sub>15</sub>H<sub>17</sub>N<sub>4</sub>NaO<sub>7</sub>S **MW** 420.37  
**PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 230 °C (decomp.)  
**SOL** A,D,M,W

Matrix	Cat. No.	Unit
NEAT	P-1014N	10 mg
50 µg/mL in Water	P-1014S-W-0.5X	1 mL

## Propylenethiourea (PTU)

4-Methylimidazolidine-2-thione

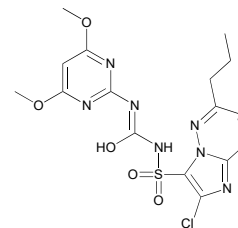


**CAS** 2122-19-2 **MF** C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>S **MW** 116.19 **PS** S  
**SG** 1.20 g/cm<sup>3</sup> **MP** 210-212 °C **SOL** CN,EA

Matrix	Cat. No.	Unit
NEAT	P-861N	10 mg
100 µg/mL in ACN	P-861S-CN	1 mL

## Propyrisulfuron

1-(2-Chloro-6-propylimidazo[1,2-b]pyridazin-3-ylsulfonyl)-3-(4,6-dimethoxypyrimidin-2-yl)urea

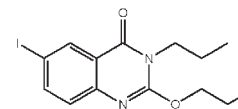


**CAS** 570415-88-2 **MF** C<sub>16</sub>H<sub>18</sub>ClN<sub>7</sub>O<sub>5</sub>S **MW** 455.87  
**PS** S **MP** 200 °C decomp. **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1166S-CN	1 mL
1000 µg/mL in ACN	P-1166-CN-10X	1 mL

## Proquinazid

6-Iodo-2-propoxy-3-propyl-4(3H)quinazolinone

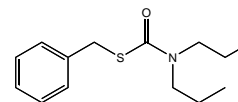


**CAS** 189278-12-4 **MF** C<sub>14</sub>H<sub>17</sub>IN<sub>2</sub>O<sub>2</sub> **MW** 372.20  
**PS** S **SG** 1.57 g/cm<sup>3</sup> **MP** 61-62 °C  
**BP** Decomp. 367 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1156S-CN	1 mL

## Prosulfocarb

S-Benzyl dipropylthiocarbamate



**CAS** 52888-80-9 **MF** C<sub>14</sub>H<sub>21</sub>NOS **MW** 251.39 **PS** L  
**SG** 1.05 g/cm<sup>3</sup> **BP** 129 °C (33Pa) **FP** >100 °C  
**SOL** A,EA,M,T,CN

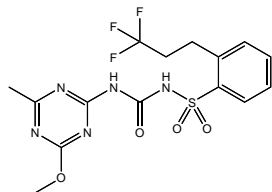
Matrix	Cat. No.	Unit
NEAT	P-742N	10 mg
100 µg/mL in MeOH	P-742S	1 mL
1000 µg/mL in MeOH	P-742S-10X	1 mL



# Individual Pesticides

## Prosulfuron

1-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)]

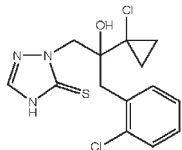


**CAS** 94125-34-5 **MF** C<sub>15</sub>H<sub>18</sub>F<sub>3</sub>N<sub>5</sub>O<sub>4</sub>S **MW** 419.38  
**PS** **S** **SG** 1.45 g/cm<sup>3</sup> **MP** 155 °C (decomp.)  
**SOL** A,T,EA,CN,M,H,D

Matrix	Cat. No.	Unit
NEAT	P-834N	10 mg
100 µg/mL in ACN	P-834S-CN	1 mL

## Prothioconazole

2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione

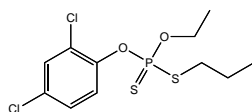


**CAS** 178928-70-6 **MF** C<sub>14</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>3</sub>OS **MW** 344.26  
**PS** **S** **SG** 1.36 g/cm<sup>3</sup> **MP** 139-145 °C **BP** 487 °C  
**SOL** A,EA,M,CN,DMSO,IPA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-965S-CN	1 mL
1000 µg/mL in ACN	P-965S-CN-10X	1 mL

## Prothiofos

O-2,4-Dichlorophenyl O-ethyl S-propyl phosphorothioate



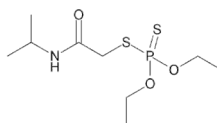
Tokuthion

**CAS** 34643-46-4 **MF** C<sub>11</sub>H<sub>15</sub>Cl<sub>2</sub>O<sub>2</sub>PS<sub>2</sub> **MW** 345.25  
**PS** **L** **SG** 1.31 g/cm<sup>3</sup> **BP** 125-128 °C (13Pa)  
**FP** 110 °C **SOL** M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-126N	10 mg
100 µg/mL in ACN	P-126S-CN	1 mL
1000 µg/mL in Acetone	P-126S-A-10X	1 mL
1000 µg/mL in Hexane	P-126S-H-10X	1 mL

## Prothoate

O,O-Diethyl S-[2-(isopropylamino)-2-oxoethyl] phosphorodithioate

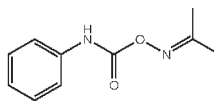


**CAS** 2275-18-5 **MF** C<sub>9</sub>H<sub>20</sub>NO<sub>3</sub>PS<sub>2</sub> **MW** 285.36  
**PS** **S** **SG** 1.15 g/cm<sup>3</sup> **MP** 29 °C **FP** 160 °C  
**SOL** W,H,M,CN,A,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-657S	1 mL

## Proximpham

2-Propanone,O-[(phenylamino)carbonyl]oxime

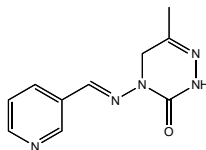


**CAS** 2828-42-4 **MF** C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub> **MW** 192.21  
**PS** **S** **SG** 1.09 g/cm<sup>3</sup> **MP** 109-110 °C  
**SOL** M,A,T

Matrix	Cat. No.	Unit
NEAT	P-1081N	10 mg
100 µg/mL in MeOH	P-1081S	1 mL

## Pymetrozine

(E)-4,5-Dihydro-6-methyl-4-[(3-pyridinylmethylene)amino]-1,2,4-triazin-3(2H)-one



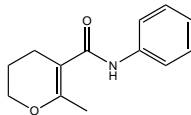
Pymetrozin

**CAS** 123312-89-0 **MF** C<sub>10</sub>H<sub>11</sub>N<sub>5</sub>O **MW** 217.23  
**PS** **S** **SG** 1.36 g/cm<sup>3</sup> **MP** 217 °C **FP** >230 °C  
**SOL** H,T,A,EA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-835N	10 mg
100 µg/mL in ACN	P-835S-CN	1 mL

## Pyracarbolid

3,4-Dihydro-6-methyl-2H-pyran-5-carboxanilide

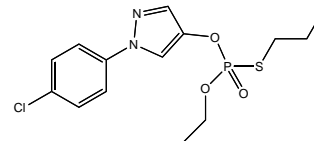


**CAS** 24691-76-7 **MF** C<sub>13</sub>H<sub>15</sub>NO<sub>2</sub> **MW** 217.26 **PS** **S**  
**SG** 1.17 g/cm<sup>3</sup> **MP** 111 °C **SOL** M,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-792S-CN	1 mL
1000 µg/mL in ACN	P-792S-CN-10X	1 mL

## Pyraclufos

O-[1-(4-Chlorophenyl)-1H-pyrazol-4-yl] O-ethyl S-propyl phosphorothioate



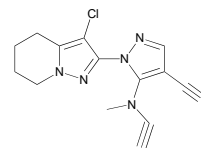
Boltage, Starlex, Voltage

**CAS** 77458-01-6 **MF** C<sub>14</sub>H<sub>18</sub>ClN<sub>2</sub>O<sub>3</sub>PS **MW** 360.8  
**PS** **L** **SG** 1.27 g/cm<sup>3</sup> **BP** 164 °C (0.01mm Hg)  
**SOL** M,A,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-716S	1 mL
1000 µg/mL in Acetone	P-716S-A-10X	1 mL

## Pyraclonil

1-(3-Chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-[methyl(prop-2-ynyl)amino]pyrazole-4-carbonitrile

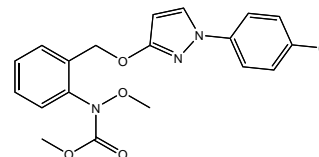


**CAS** 158353-15-2 **MF** C<sub>15</sub>H<sub>15</sub>ClN<sub>6</sub> **MW** 314.78  
**PS** **S** **SG** 1.325 g/cm<sup>3</sup> **MP** 93-95 °C **FP** 110 cc  
**SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1167S-CN	1 mL
1000 µg/mL in ACN	P-1167S-CN-10X	1 mL

## Pyraclostrobin

Methyl-[2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxy]methyl]phenyl]methoxycarbamate



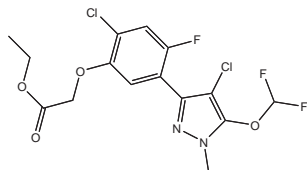
**CAS** 175013-18-0 **MF** C<sub>19</sub>H<sub>18</sub>ClN<sub>3</sub>O<sub>4</sub> **MW** 387.82  
**PS** **S** **SG** 1.37 g/cm<sup>3</sup> **MP** 64-65 °C  
**BP** Decomp. 200 °C **SOL** M,A,D,T,CN,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-863N	10 mg
100 µg/mL in ACN	P-863S-CN	1 mL
1000 µg/mL in ACN	P-863S-CN-10X	1 mL

# Individual Pesticides

## Pyraflufen-ethyl

Ethyl [2-chloro-5-(4-chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxy]acetate

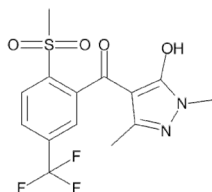


**CAS** 129630-19-9 **MF** C<sub>15</sub>H<sub>13</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **MW** 413.18  
**PS S SG** 1.57 g/cm<sup>3</sup> **MP** 126-127 °C  
**BP** Decomp. 240 °C **SOL** M,A,EA,CN,H,D

Matrix	Cat. No.	Unit
NEAT	P-1015N	10 mg
100 µg/mL in Acetone	P-1015S-A	1 mL
1000 µg/mL in Acetone	P-1015S-A-10X	1 mL

## Pyrasulfotole

(5-Hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone

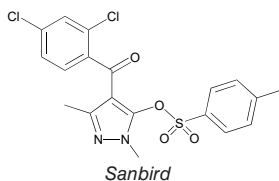


**CAS** 365400-11-9 **MF** C<sub>14</sub>H<sub>13</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>S **MW** 362.32  
**PS S SG** 1.50 g/cm<sup>3</sup> **MP** 201 °C  
**BP** Decomp. >245 °C **SOL** T,EA,A,CN,W,DMSO

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1144S-CN	1 mL

## Pyrazolate

(2,4-Dichlorophenyl)[1,3-dimethyl-5-[(4-methylphenyl)sulfonyloxy]-1H-pyrazol-4-yl]methanone

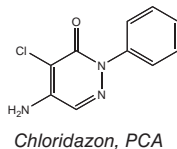


**CAS** 58011-68-0 **MF** C<sub>19</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub>S **MW** 439.31  
**PS S SG** 1.47 g/cm<sup>3</sup> **MP** 118 °C **SOL** CN,M,T

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1209S-CN	1 mL
1000 µg/mL in ACN	P-1209S-CN-10X	1 mL

## Pyrazon

5-Amino-4-chloro-2-phenylpyridazin-3(2H)-one



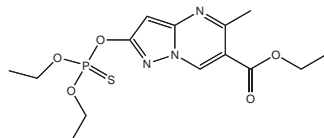
Chloridazon, PCA

**CAS** 1698-60-8 **MF** C<sub>10</sub>H<sub>8</sub>ClN<sub>3</sub>O **MW** 221.64 **PS S**  
**SG** 1.54 g/cm<sup>3</sup> **MP** 203-206 °C **BP** Decomp. 360 °C  
**SOL** M,A,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-395N	10 mg
100 µg/mL in MeOH	P-395S	1 mL
1000 µg/mL in MeOH	P-395S-10X	1 mL

## Pyrazophos

Ethyl 2-diethoxyphosphinothioxy-5-methylpyrazolo[1,5-a]pyrimidine-6-carboxylate

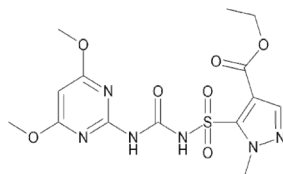


**CAS** 13457-18-6 **MF** C<sub>14</sub>H<sub>20</sub>N<sub>3</sub>O<sub>5</sub>PS **MW** 373.37  
**PS S SG** 1.38 g/cm<sup>3</sup> **MP** 51-52 °C  
**BP** Decomp. 160 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-359N	10 mg
100 µg/mL in MeOH	P-359S	1 mL
1000 µg/mL in Acetone	P-359S-A-10X	1 mL

## Pyrazosulfuron-ethyl

Ethyl 5-[(4,6-dimethoxypyrimidin-2-ylcarbamoyl)sulfonyl]-1-methylpyrazole-4-carboxylate

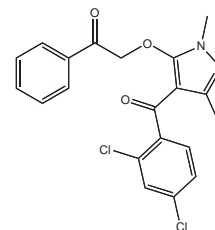


**CAS** 93697-74-6 **MF** C<sub>14</sub>H<sub>18</sub>N<sub>6</sub>O<sub>7</sub>S **MW** 414.4  
**PS S SG** 1.46 g/cm<sup>3</sup> **MP** 178-180 °C **FP** >170 °C  
**SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1332S-CN	1 mL

## Pyrazoxyfen

2-(4-(2,4-Dichlorobenzoyl)-1,3-dimethylpyrazol-5-yloxy)acetophenone

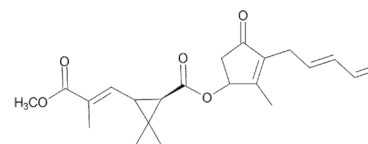


**CAS** 71561-11-0 **MF** C<sub>20</sub>H<sub>16</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub> **MW** 403.26  
**PS S SG** 1.33 g/cm<sup>3</sup> **MP** 111-112 °C  
**SOL** M,A,H

Matrix	Cat. No.	Unit
NEAT	P-618N	10 mg
100 µg/mL in MeOH	P-618S	1 mL

## Pyrethrins

(Z)-(S)-2-Methyl-4-oxo-3-(penta-2,4-dienyl)cyclopent-2-enyl(1R)-trans-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate

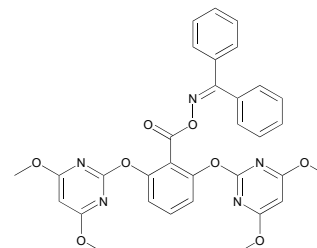


**CAS** 8003-34-7 **PS L SG** 0.85 g/cm<sup>3</sup> **FP** 75 °C  
**BP** 170 °C (0.097mm Hg) **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-187N	10 mg
100 µg/mL in MeOH	P-187S	1 mL
1000 µg/mL in ACN	P-187S-CN	1 mL

## Pyribenzoxim

Benzophenone O-[2,6-bis(4,6-dimethoxypyrimidin-2-yloxy)benzoyl]oxime



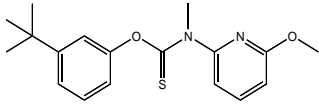
**CAS** 168088-61-7 **MF** C<sub>32</sub>H<sub>27</sub>N<sub>5</sub>O<sub>8</sub> **MW** 609.6 **PS S**  
**SG** 1.3 g/cm<sup>3</sup> **MP** 129 °C **BP** 811 °C **FP** 444 °C  
**SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1116S-CN	1 mL
1000 µg/mL in ACN	P-1116S-CN-10X	1 mL

# Individual Pesticides

## Pyributicarb

O-3-tert-Butylphenyl (6-methoxy-2-pyridyl)(methyl) thiocarbamate

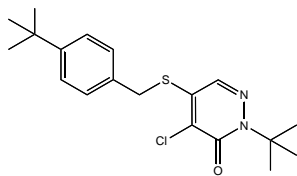


**CAS** 88678-67-5 **MF** C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 330.45  
**PS S SG** 1.16 g/cm<sup>3</sup> **MP** 86 °C **SOL** M,A,EA,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-987S	1 mL
1000 µg/mL in ACN	P-987S-CN-10X	1 mL

## Pyridaben

2-tert-Butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one



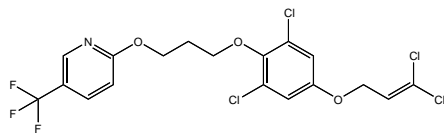
Pyramite

**CAS** 96489-71-3 **MF** C<sub>19</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>2</sub>S **MW** 364.93  
**PS S SG** 1.2 g/cm<sup>3</sup> **MP** 111-112 °C  
**BP** Decomp. 200 °C **SOL** M,A,D,T,CN,EA,H

Matrix	Cat. No.	Unit
NEAT	P-693N	10 mg
100 µg/mL in MeOH	P-693S	1 mL
1000 µg/mL in Acetone	P-693S-A-10X	1 mL

## Pyridalyl

2-[3-[2,6-Dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-5-(trifluoromethyl)pyridine

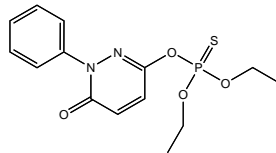


**CAS** 179101-81-6 **MF** C<sub>18</sub>H<sub>14</sub>Cl<sub>2</sub>F<sub>3</sub>NO<sub>3</sub> **MW** 491.11  
**PS L SG** 1.45 g/cm<sup>3</sup> **BP** 227 °C (decomp.)  
**SOL** M,A,CN,H,EA

Matrix	Cat. No.	Unit
NEAT	P-990N	10 mg
100 µg/mL in MeOH	P-990S	1 mL
1000 µg/mL in Acetone	P-990S-A-10X	1 mL

## Pyridaphenthion

O-(1,6-Dihydro-6-oxo-1-phenylpyridazin-3-yl) O,O-diethyl phosphorothioate



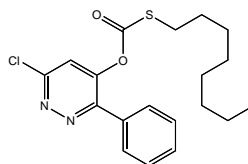
Ofunack, Oreste

**CAS** 119-12-0 **MF** C<sub>14</sub>H<sub>17</sub>N<sub>2</sub>O<sub>4</sub>PS **MW** 340.34  
**PS S SG** 1.30 g/cm<sup>3</sup> **MP** 54-56 °C  
**BP** Decomp. 180 °C **SOL** M,A,CN,EA,H,T,D

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-610S	1 mL
1000 µg/mL in Acetone	P-610S-A-10X	1 mL

## Pyridate

6-Chloro-3-phenylpyridazin-4-yl S-octyl thiocarbonate



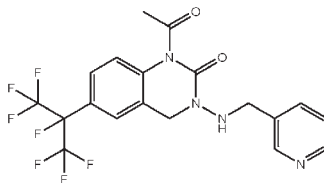
Lentagran

**CAS** 55512-33-9 **MF** C<sub>19</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>2</sub>S **MW** 378.92  
**PS S SG** 1.16 g/cm<sup>3</sup> **MP** 27 °C  
**BP** 220 °C (0.1 mm Hg) **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-404N	10 mg
100 µg/mL in ACN	P-404S-CN	1 mL
100 µg/mL in ACN	P-404S-CN-10X	1 mL

## Pyrifluquinazon

1-Acetyl-1,2,3,4-tetrahydro-3-[(3-pyridylmethyl) amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl] quinazolin-2-one

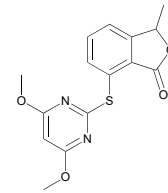


**CAS** 337458-27-2 **MF** C<sub>19</sub>H<sub>15</sub>F<sub>7</sub>N<sub>4</sub>O<sub>2</sub> **MW** 464.34  
**PS S MP** 138-139 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1093N	10 mg
100 µg/mL in ACN	P-1093S-CN	1 mL
1000 µg/mL in ACN	P-1093S-CN-10X	1 mL

## Pyriflitalid

7-(4,6-Dimethoxypyrimidin-2-ylthio)-3-methylisobenzofuran-1(3H)-one

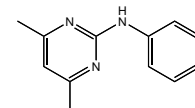


**CAS** 135186-78-6 **MF** C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S **MW** 318.35  
**PS S SG** 1.44 g/cm<sup>3</sup> **MP** 163 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1212S-CN	1 mL
1000 µg/mL in ACN	P-1212S-CN-10X	1 mL

## Pyrimethanil

N-(4,6-Dimethylpyrimidin-2-yl)aniline



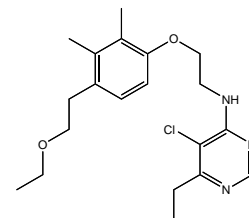
2-Anilino-4,6-dimethylpyrimidine

**CAS** 53112-28-0 **MF** C<sub>12</sub>H<sub>13</sub>N<sub>3</sub> **MW** 199.25 **PS S**  
**SG** 1.15 g/cm<sup>3</sup> **MP** 96.3 °C **BP** Decomp. 190 °C  
**SOL** M,A,D,H,T,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-723N	10 mg
100 µg/mL in MeOH	P-723S	1 mL
1000 µg/mL in ACN	P-723S-CN-10X	1 mL

## Pyrimidifen

5-Chloro-N-[2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl]-6-ethyl-4-pyrimidinamine



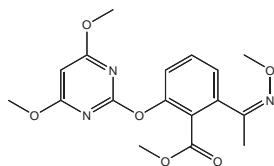
**CAS** 105779-78-0 **MF** C<sub>20</sub>H<sub>28</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 377.91  
**PS S SG** 1.45 g/cm<sup>3</sup> **MP** 70 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-989S	1 mL
1000 µg/mL in Acetone	P-989S-A-10X	1 mL

# Individual Pesticides

## (E)-Pyriminobac-methyl

Methyl (E)-2-[(4,6-dimethoxypyrimidin-2-yl)oxy]-6-[1-(N-methoxyimino)ethyl]benzoate



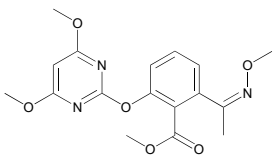
Pyriminobac-methyl(E)

CAS 147411-69-6 MF C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>6</sub> MW 361.35  
PS S SG 1.33 g/cm<sup>3</sup> MP 105 °C SOL A,EA,H,M

Matrix	Cat. No.	Unit
50 µg/mL in MeOH	P-1030S-0.5X	1 mL
1000 µg/mL in Acetone	P-1030S-A-10X	1 mL

## (Z)-Pyriminobac-methyl

Methyl (Z)-2-[(4,6-dimethoxypyrimidin-2-yl)oxy]-6-[1-(N-methoxyimino)ethyl]benzoate

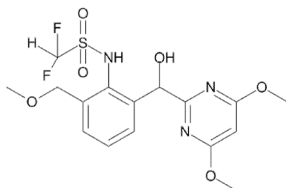


CAS 147411-70-9 MF C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>6</sub> MW 361.35  
PS S MP 68-74 °C SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1111S	1 mL
1000 µg/mL in MeOH	P-1111S-10X	1 mL

## Pyrimisulfan

N-{2-[(4,6-Dimethoxy-2-pyrimidinyl)(hydroxy)methyl]-6-(methoxymethyl)phenyl}-1,1-difluoromethanesulfonamide

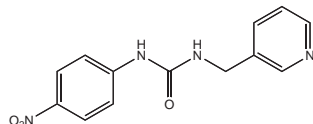


CAS 221205-90-9 MF C<sub>16</sub>H<sub>19</sub>F<sub>2</sub>N<sub>3</sub>O<sub>6</sub>S MW 419.40  
PS S MP 99 °C BP 551 °C FP 287 °C SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1203S-CN	1 mL
1000 µg/mL in ACN	P-1203S-CN-10X	1 mL

## Pyrinuron

1-(3-Pyridylmethyl)-3-(4-nitrophenyl)urea

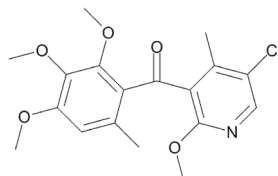


Vacor

CAS 53558-25-1 MF C<sub>13</sub>H<sub>12</sub>N<sub>4</sub>O<sub>3</sub> MW 272.26 PS S  
SG 1.38 g/cm<sup>3</sup> MP 223-225 °C (decomp.)  
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-240N	10 mg
100 µg/mL in MeOH	P-240S	1 mL

## Pyriofenone

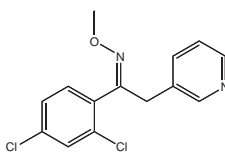


CAS 688046-61-9 MF C<sub>18</sub>H<sub>20</sub>ClNO<sub>5</sub> MW 365.8  
PS S SG 1.2 g/cm<sup>3</sup> MP 93.7-95.5 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-1457N	10 mg
100 µg/mL in MeOH	P-1457S	1 mL

## Pyriphenox

1-(2,4-Dichlorophenyl)-N-methoxy-2-(3-pyridinyl)ethanimine



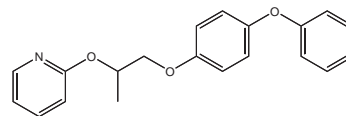
Pyriphenox, Pyriphenox

CAS 88283-41-4 MF C<sub>14</sub>H<sub>12</sub>Cl<sub>2</sub>N<sub>2</sub>O MW 295.16  
PS L SG 1.25 g/cm<sup>3</sup> BP 212 °C FP 106 °C  
SOL M,A,CN,T,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-668S	1 mL
1000 µg/mL in MeOH	P-668S-10X	1 mL

## Pyriproxyfen

4-Phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether



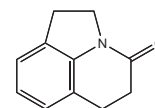
Admiral

CAS 95737-68-1 MF C<sub>20</sub>H<sub>19</sub>NO<sub>3</sub> MW 321.37 PS S  
SG 1.23 g/cm<sup>3</sup> MP 45-47 °C BP Decomp. 318 °C  
SOL M,A,D,CN,H

Matrix	Cat. No.	Unit
NEAT	P-795N	10 mg
100 µg/mL in ACN	P-795S-CN	1 mL
1000 µg/mL in ACN	P-795S-CN-10X	1 mL

## Pyroquilon

1,2,5,6-Tetrahydropyrrolo[3,2,1-ij]quinolin-4-one

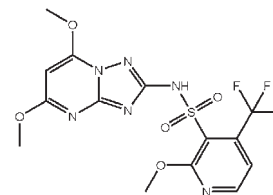


CAS 57369-32-1 MF C<sub>11</sub>H<sub>11</sub>NO MW 173.21 PS S  
SG 1.25 g/cm<sup>3</sup> MP 112 °C BP Decomp. 320 °C  
SOL M,CN,A,D,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-696N	10 mg
100 µg/mL in MeOH	P-696S	1 mL
1000 µg/mL in ACN	P-696S-CN-10X	1 mL

## Pyroxsulam

N-(5,7-Dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl)pyridine-3-sulfonamide



CAS 422556-08-9 MF C<sub>14</sub>H<sub>13</sub>F<sub>3</sub>N<sub>6</sub>O<sub>5</sub>S MW 434.35  
PS S SG 1.62 g/cm<sup>3</sup> MP 208 °C  
BP Decomp. 213 °C SOL A,CN,EA,M,W

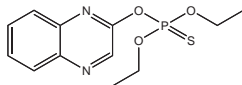
Matrix	Cat. No.	Unit
NEAT	P-1060N	10 mg
100 µg/mL in MeOH	P-1060S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## Quinalphos

O,O-Diethyl O-quinoxalin-2-yl phosphorothioate



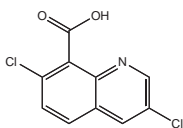
Diethylnaliphos

**CAS** 13593-03-8 **MF** C<sub>12</sub>H<sub>15</sub>N<sub>3</sub>O<sub>3</sub>PS **MW** 298.3  
**PS S** **SG** 1.24 g/cm<sup>3</sup> **MP** 31-32 °C **FP** >100 °C  
**BP** 142 °C (0.0003 mm Hg, decomp.)  
**SOL** M,A,D,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-462N	10 mg
100 µg/mL in MeOH	P-462S	1 mL

## Quinclorac

3,7-Dichloro-8-quinolinecarboxylic acid



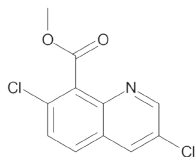
Facet

**CAS** 84087-01-4 **MF** C<sub>10</sub>H<sub>5</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 242.06  
**PS S** **SG** 1.75 g/cm<sup>3</sup> **MP** 274 °C **FP** 100 °C  
**SOL** M,CN,A

Matrix	Cat. No.	Unit
NEAT	P-692N	10 mg
100 µg/mL in MeOH	P-692S ▲	1 mL
100 µg/mL in ACN	P-692S-CN	1 mL

## Quinclorac methyl ester

Methyl 3,7-dichloroquinoline-8-carboxylate

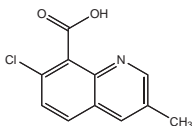


**CAS** 84087-33-2 **MF** C<sub>11</sub>H<sub>7</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 256.08  
**PS S** **MP** 119.1-120.2 °C **SOL** CN,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-770S-CN	1 mL

## Quinmerac

7-Chloro-3-methylquinoline-8-carboxylic acid

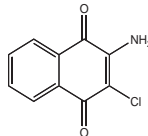


**CAS** 90717-03-6 **MF** C<sub>11</sub>H<sub>8</sub>ClNO<sub>2</sub> **MW** 221.64  
**PS S** **SG** 1.49 g/cm<sup>3</sup> **MP** 244 °C  
**BP** Decomp. 260 °C **SOL** M,A,CN,T,D,W,H,EA

Matrix	Cat. No.	Unit
NEAT	P-836N	10 mg
100 µg/mL in ACN	P-836S-CN	1 mL
1000 µg/mL in ACN	P-836S-CN-10X	1 mL

## Quinoclamine

2-Amino-3-chloro-1,4-naphthalenedione

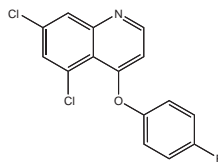


**CAS** 2797-51-5 **MF** C<sub>10</sub>H<sub>6</sub>ClNO<sub>2</sub> **MW** 207.61 **PS S**  
**SG** 1.66 g/cm<sup>3</sup> **MP** 198-200 °C  
**BP** 348 °C (decomp.) **SOL** M,A,CN,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-985N	10 mg
100 µg/mL in MeOH	P-985S	1 mL
1000 µg/mL in ACN	P-985S-CN-10X	1 mL

## Quinoxifen

5,7-Dichloro-4-(4-fluorophenoxy)quinoline

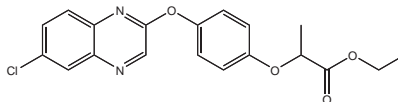


**CAS** 124495-18-7 **MF** C<sub>15</sub>H<sub>8</sub>Cl<sub>2</sub>FNO **MW** 308.13  
**SG** 1.56 g/cm<sup>3</sup> **MP** 103 °C **FP** >100 °C  
**SOL** M,A,CN,H,T,D,EA

Matrix	Cat. No.	Unit
NEAT	P-882N-5MG	5 mg
100 µg/mL in MeOH	P-882S	1 mL
1000 µg/mL in MeOH	P-882S-10X	1 mL

## Quizalofop ethyl

Ethyl 2-[4-[(6-chloro-2-quinoxalinyloxy)phenoxy]propanoate

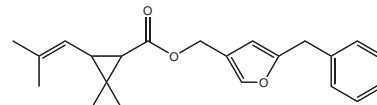


**CAS** 76578-14-8 **MF** C<sub>19</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>4</sub> **MW** 372.8  
**PS S** **SG** 1.35 g/cm<sup>3</sup> **MP** 91 °C **FP** 100 °C  
**BP** 220 °C (0.2mm Hg) **SOL** M,A,CN,TP,EA,H

Matrix	Cat. No.	Unit
NEAT	P-293N	10 mg
100 µg/mL in ACN	P-293S-CN	1 mL
1000 µg/mL in ACN	P-293S-CN-10X	1 mL

## Resmethrin

5-Benzyl-3-furylmethyl (±)-cis-trans-chrysanthemate

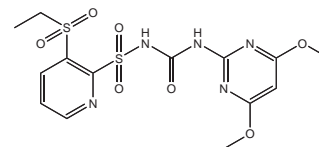


**CAS** 10453-86-8 **MF** C<sub>22</sub>H<sub>26</sub>O<sub>3</sub> **MW** 338.44 **PS S**  
**SG** 0.96 g/cm<sup>3</sup> **MP** 56 °C **BP** Decomp. 180 °C  
**FP** 129 °C **SOL** M,A,D,H,CN,TP,EA,T

Matrix	Cat. No.	Unit
NEAT	P-325N	10 mg
100 µg/mL in MeOH	P-325S	1 mL

## Rimsulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl)urea

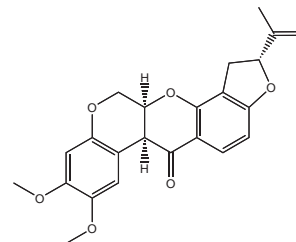


**CAS** 122931-48-0 **MF** C<sub>14</sub>H<sub>17</sub>N<sub>5</sub>O<sub>7</sub>S<sub>2</sub> **MW** 431.45  
**PS S** **SG** 0.78 g/cm<sup>3</sup> **MP** 176 °C **FP** >200 °C  
**SOL** M,CN,A,D,EA

Matrix	Cat. No.	Unit
NEAT	P-837N	10 mg
100 µg/mL in ACN	P-837S-CN	1 mL
1000 µg/mL in ACN	P-837S-CN-10X	1 mL

## Rotenone

(2R, 6aS, 12aS)-1,2,6,6a,12,12a-Hexahydro-2-isopropenyl-8,9-dimethoxychromeno[3,4-b]furo[2,3-h]chromen-6-one



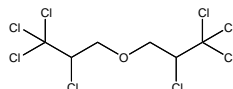
**CAS** 83-79-4 **MF** C<sub>23</sub>H<sub>22</sub>O<sub>6</sub> **MW** 394.42 **PS S**  
**SG** 1.27 g/cm<sup>3</sup> **MP** 163 °C  
**BP** 210-220 °C (0.5mm Hg) **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-056N	10 mg
100 µg/mL in MeOH	P-056S	1 mL

# Individual Pesticides

## S421

1,1'-Oxybis(2,3,3,3-tetrachloropropane)



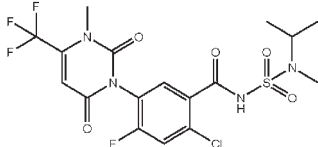
bis(2,3,3,3-Tetrachloropropyl) ether

**CAS** 127-90-2 **MF** C<sub>6</sub>H<sub>8</sub>Cl<sub>8</sub>O **MW** 377.73 **PS** L  
**SG** 1.67 g/cm<sup>3</sup> **BP** 144-150 °C (1 mm Hg)  
**FP** 177 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-749N	10 mg
100 µg/mL in MeOH	P-749S	1 mL

## Saflufenacil

N'-[2-Chloro-4-fluoro-5-[1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]benzoyl]-N-isopropyl-N-methylsulfamide

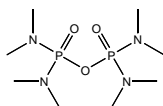


**CAS** 372137-35-4 **MF** C<sub>17</sub>H<sub>17</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>5</sub>S **PS** S  
**MW** 500.85 **PS** S **SG** 1.60 g/cm<sup>3</sup> **MP** 189-190 °C  
**SOL** M,CN,A,T,EA,W

Matrix	Cat. No.	Unit
NEAT	P-1078N	10 mg
100 µg/mL in MeOH	P-1078S	1 mL
1000 µg/mL in ACN	P-1078S-CN-10X	1 mL

## Schradan

Octamethylpyrophosphoramidate



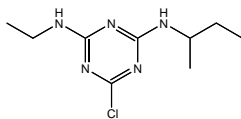
OMPA

**CAS** 152-16-9 **MF** C<sub>8</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>P<sub>2</sub> **MW** 286.25 **PS** L  
**SG** 1.17 g/cm<sup>3</sup> **BP** 120-125 °C (0.5mm Hg)  
**SOL** M,D

Matrix	Cat. No.	Unit
NEAT	P-418N	10 mg
100 µg/mL in MeOH	P-418S	1 mL

## Sebuthylazin

N-sec-Butyl-6-chloro-N'-ethyl-1,3,5-triazine-2,4-diamine

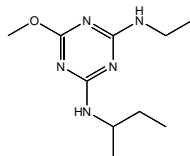


**CAS** 7286-69-3 **MF** C<sub>9</sub>H<sub>16</sub>ClN<sub>3</sub> **MW** 229.71 **PS** S  
**SG** 1.17 g/cm<sup>3</sup> **MP** 158-159 °C **SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-432N	10 mg
100 µg/mL in MeOH	P-432S	1 mL

## Secbumeton

N-sec-Butyl-N'-ethyl-6-methoxy-1,3,5-triazine-2,4-diamine

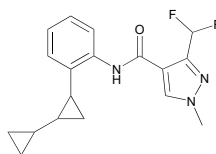


**CAS** 26259-45-0 **MF** C<sub>10</sub>H<sub>19</sub>N<sub>3</sub>O **MW** 225.29 **PS** S  
**SG** 1.14 g/cm<sup>3</sup> **MP** 82-83 °C **SOL** D,M,A

Matrix	Cat. No.	Unit
NEAT	P-165N	10 mg
100 µg/mL in MeOH	P-165S	1 mL
1000 µg/mL in MeOH	P-165S-10X	1 mL

## Sedaxane

N-(2-(1,1'-Bicyclopropyl)-2-ylphenyl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide

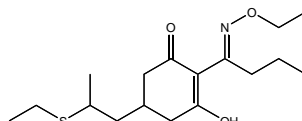


**CAS** 874967-67-6 **MF** C<sub>18</sub>H<sub>19</sub>F<sub>2</sub>N<sub>3</sub>O **MW** 331.4  
**PS** S **MP** 121 °C **BP** decomp. 270 °C **SOL** M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1312S	1 mL

## Sethoxydim

2-[1-(Ethoximino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one

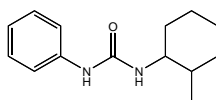


**CAS** 74051-80-2 **MF** C<sub>17</sub>H<sub>29</sub>N<sub>3</sub>O<sub>3</sub> **MW** 327.48  
**PS** L **SG** 1.04 g/cm<sup>3</sup> **BP** >90 °C (0.00003mm Hg)  
**SOL** M,A,CN,W,EA,H

Matrix	Cat. No.	Unit
NEAT	P-306N	10 mg
100 µg/mL in ACN	P-306S-CN	1 mL
1000 µg/mL in ACN	P-306S-CN-10X	1 mL

## Siduron

1-(2-Methylcyclohexyl)-3-phenylurea

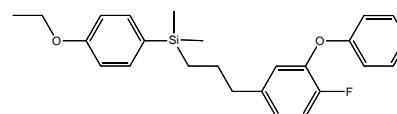


**CAS** 1982-49-6 **MF** C<sub>14</sub>H<sub>20</sub>N<sub>2</sub>O **MW** 232.32 **PS** S  
**SG** 1.08 g/cm<sup>3</sup> **MP** 133-138 °C **SOL** M,A,H,CN,D

Matrix	Cat. No.	Unit
NEAT	P-063N	10 mg
100 µg/mL in MeOH	P-063S	1 mL

## Silafluofen

(4-Ethoxyphenyl)[3-(4-fluoro-3-phenoxyphenyl)propyl](dimethyl)silane



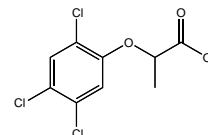
Silafluofen

**CAS** 105024-66-6 **MF** C<sub>25</sub>H<sub>29</sub>FO<sub>2</sub>Si **MW** 408.58  
**PS** L **SG** 1.08 g/cm<sup>3</sup> **BP** Decomp. 170 °C  
**FP** >100 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-717N	10 mg
100 µg/mL in MeOH	P-717S	1 mL
1000 µg/mL in ACN	P-717S-CN-10X	1 mL

## Silvex

2-(2,4,5-Trichlorophenoxy)propanoic acid



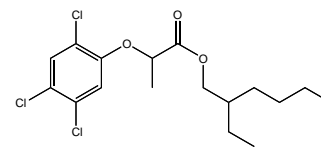
Fenoprop, 2,4,5-TP

**CAS** 93-72-1 **MF** C<sub>9</sub>H<sub>7</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 269.51 **PS** S  
**SG** 1.21 g/cm<sup>3</sup> **MP** 177-178 °C **SOL** M,A,D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-084N	10 mg
100 µg/mL in MeOH	P-084S	1 mL
1000 µg/mL in MeOH	P-084S-10X	1 mL
5000 µg/mL in MeOH	P-084S-50X	1 mL
100 µg/mL in ACN	P-084S-CN	1 mL

## Silvex 2-ethylhexyl ester

2-Ethylhexyl 2-(2,4,5-trichlorophenoxy)propanoate



Fenoprop 2-ethylhexyl ester

**CAS** 53404-76-5 **MF** C<sub>17</sub>H<sub>23</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 381.72  
**PS** S **SOL** M

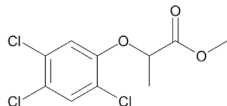
Matrix	Cat. No.	Unit
NEAT	P-728N	10 mg
100 µg/mL in MeOH	P-728S	1 mL



# Individual Pesticides

## Silvex methyl ester

Methyl 2-(2,4,5-trichlorophenoxy)propionate



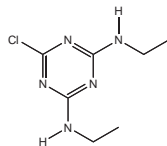
*Fenoprop methyl ester, 2,4,5-TP methyl ester*

**CAS** 4841-20-7 **MF** C<sub>10</sub>H<sub>9</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 283.53 **PS** S  
**SG** 1.40 g/cm<sup>3</sup> **MP** 83 °C **SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-115N	10 mg
100 µg/mL in MeOH	P-115S	1 mL

## Simazine

6-Chloro-N,N'-diethyl-1,3,5-triazine-2,4-diamine



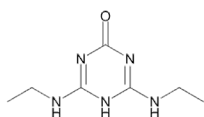
*Gesatop*

**CAS** 122-34-9 **MF** C<sub>7</sub>H<sub>12</sub>ClN<sub>3</sub> **MW** 201.66 **PS** S  
**SG** 1.30 g/cm<sup>3</sup> **MP** 227-229 °C **FP** 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-085N	10 mg
100 µg/mL in MeOH	P-085S	1 mL
1000 µg/mL in MeOH	P-085S-10X	1 mL
1000 µg/mL in Acetone	P-085S-A-10X	1 mL

## Simazine-2-hydroxy

2,6-bis(Ethylamino)-1H-1,3,5-triazin-4-one

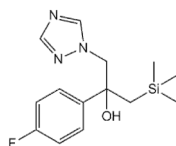


**CAS** 2599-11-3 **MF** C<sub>7</sub>H<sub>13</sub>N<sub>3</sub>O **MW** 183.21  
**SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH: Phosphoric acid (99:01)	P-1191S	1 mL

## Simeconazole

2-(4-fluorophenyl)-1-(1,2,4-triazol-1-yl)-3-trimethylsilylpropan-2-ol

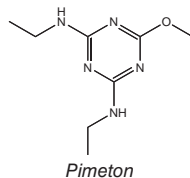


**CAS** 149508-90-7 **MF** C<sub>14</sub>H<sub>20</sub>FN<sub>3</sub>OSi **MW** 293.41  
**PS** S **MP** 19 °C **SOL** CN,A,D

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-976S-A-10X	1 mL

## Simeton

N,N'-Diethyl-6-methoxy-1,3,5-triazine-2,4-diamine



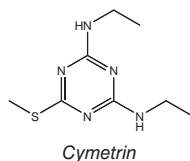
*Pimeton*

**CAS** 673-04-1 **MF** C<sub>8</sub>H<sub>15</sub>N<sub>3</sub>O **MW** 197.24 **PS** S  
**MP** 89-90 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-501N	10 mg
100 µg/mL in MeOH	P-501S	1 mL

## Simetryn

N,N'-Diethyl-6-methylthio-1,3,5-triazine-2,4-diamine

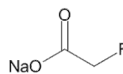


*Cymetryn*

**CAS** 1014-70-6 **MF** C<sub>8</sub>H<sub>15</sub>N<sub>3</sub>S **MW** 213.3 **PS** S  
**SG** 1.02 g/cm<sup>3</sup> **MP** 82-83 °C  
**SOL** M,A,D,CN,EA,T,H,W

Matrix	Cat. No.	Unit
NEAT	P-166N	10 mg
100 µg/mL in MeOH	P-166S	1 mL
1000 µg/mL in Acetone	P-166S-A-10X	1 mL

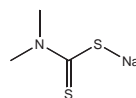
## Sodium fluoroacetate



**CAS** 62-74-8 **MF** C<sub>2</sub>H<sub>2</sub>FO<sub>2</sub>Na **MW** 100.2 **PS** S  
**MP** 200-202 °C (decomp.) **SOL** W,CN

Matrix	Cat. No.	Unit
NEAT	P-1328N	10 mg

## Sodium dimethyldithiocarbamate dihydrate



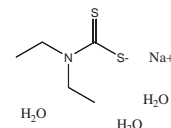
*Dibam*

**CAS** 128-04-1 **MF** C<sub>3</sub>H<sub>6</sub>NNaS<sub>2</sub> **MW** 143.21 **PS** S  
**SG** 1.17 g/cm<sup>3</sup> **MP** 120-122 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-487N	10 mg
100 µg/mL in MeOH	P-487S	1 mL

## Sodium diethyldithiocarbamate trihydrate

Diethyldithiocarbamic acid sodium salt trihydrate

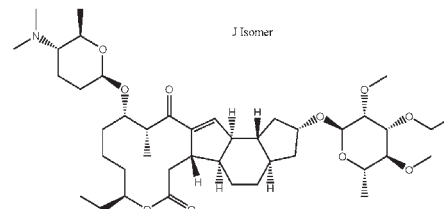


**CAS** 20624-25-3 **MF** C<sub>5</sub>H<sub>10</sub>NNaS<sub>2</sub>·3H<sub>2</sub>O  
**MW** 225.31 **PS** S **SG** 1.1 g/cm<sup>3</sup> **MP** 97 °C **SOL** W

Matrix	Cat. No.	Unit
NEAT	P-505N	10 mg
100 µg/mL in ACN	P-505S-CN	1 mL

## Spinetoram

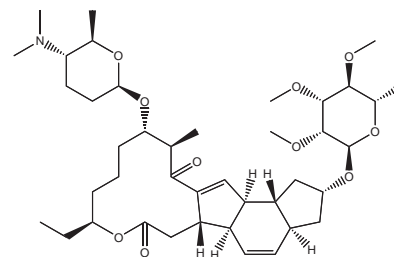
Mix of Isomers J & L



**CAS** 187166-40-1/187166-15-0 **MF** C<sub>42</sub>H<sub>69</sub>NO<sub>10</sub>/  
C<sub>43</sub>H<sub>69</sub>NO<sub>10</sub> **MW** 748.00/760.03 **PS** S **SOL** A,M,CN

Matrix	Cat. No.	Unit
NEAT	P-1083N	10 mg
100 µg/mL in ACN	P-1083S-CN	1 mL
1000 µg/mL in ACN	P-1083S-CN-10X	1 mL

## Spinosad



*Spinosad technical*

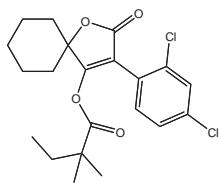
**CAS** 168316-95-8 **MF** C<sub>41</sub>H<sub>65</sub>NO<sub>10</sub> / C<sub>42</sub>H<sub>67</sub>NO<sub>10</sub>  
**MW** 731.96/745.98 **PS** S **SG** 1.16 g/cm<sup>3</sup>  
**MP** 144-145 °C **SOL** M,D,CN,A,EA, H,W,T

Matrix	Cat. No.	Unit
NEAT	P-864N	10 mg
100 µg/mL in ACN	P-864S-CN	1 mL
1000 µg/mL in ACN	P-864S-CN-10X	1 mL

# Individual Pesticides

## Spirodiclofen

3-(2,4-Dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate

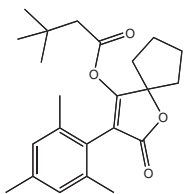


**CAS** 148477-71-8 **MF** C<sub>21</sub>H<sub>24</sub>Cl<sub>2</sub>O<sub>4</sub> **MW** 411.32 **PS** S **SG** 1.29 g/cm<sup>3</sup> **MP** 94-95 °C **BP** Decomp. **SOL** M,A,CN,EA,D,IPA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-938N	10 mg
100 µg/mL in MeOH	P-938S	1 mL
100 µg/mL in ACN	P-938S-CN	1 mL
1000 µg/mL in ACN	P-938S-CN-10X	1 mL

## Spiromesifen

3-Mesityl-2-oxo-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutyrate

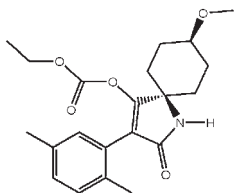


**CAS** 283594-90-1 **MF** C<sub>23</sub>H<sub>30</sub>O<sub>4</sub> **MW** 370.48 **PS** S **SG** 1.13 g/cm<sup>3</sup> **MP** 98 °C **BP** Decomp. 375 °C **SOL** W,IPA,D,A,EA,CN

Matrix	Cat. No.	Unit
20 µg/mL in ACN	P-960S-CN-0.2X	1 mL
100 µg/mL in ACN	P-960S-CN	1 mL
1000 µg/mL in ACN	P-960S-CN-10X	1 mL

## Spirotetramat

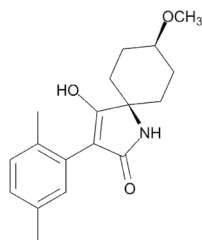
cis-3-(2,5-Dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate



**CAS** 203313-25-1 **MF** C<sub>21</sub>H<sub>27</sub>NO<sub>5</sub> **MW** 373.44 **PS** S **SG** 1.22 g/cm<sup>3</sup> **MP** 142 °C **BP** Decomp. 235 °C **SOL** M,CN,H,D,T,EA,DMSO,A

Matrix	Cat. No.	Unit
NEAT	P-1077N	10 mg
100 µg/mL in ACN	P-1077S-CN	1 mL
1000 µg/mL in ACN	P-1077S-CN-10X	1 mL

## Spirotetramat-enol

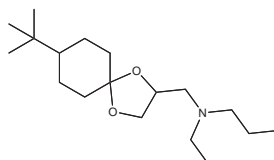


**CAS** 203312-38-3 **MF** C<sub>18</sub>H<sub>23</sub>NO<sub>3</sub> **MW** 301.38 **PS** S **MP** Decomposes -229 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1323N-5MG	5 mg

## Spiroxamine

8-tert-Butyl-1,4-dioxaspiro[4.5]decan-2-ylmethyl(ethyl)(propyl)amine



**CAS** 118134-30-8 **MF** C<sub>18</sub>H<sub>35</sub>NO<sub>2</sub> **MW** 297.48 **PS** L **SG** 0.94 g/cm<sup>3</sup> **BP** 128-131 °C (5.25mm Hg) **FP** 147 °C **SOL** M,A,CN,H,T,D,IPA

Matrix	Cat. No.	Unit
NEAT	P-869N	10 mg
100 µg/mL in ACN	P-869S-CN	1 mL
1000 µg/mL in ACN	P-869S-CN-10X	1 mL

## Strobane

(1S,4R)-1,2,2,3,3,4,7-Heptachloro-5,5-dimethyl-6-methylenebicyclo[2.2.1]heptane

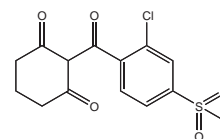


**CAS** 8001-50-1 **MF** C<sub>10</sub>H<sub>9</sub>Cl<sub>7</sub> **MW** 377.35 **PS** L **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-339N	10 mg
100 µg/mL in MeOH	P-339S	1 mL

## Sulcotrione

2-(2-Chloro-4-(methylsulfonyl)benzoyl)-1,3-cyclohexanedione



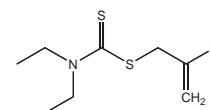
Chlormesulon

**CAS** 99105-77-8 **MF** C<sub>14</sub>H<sub>13</sub>ClO<sub>5</sub>S **MW** 328.77 **PS** S **MP** 139 °C **BP** Decomp. 170 °C **SOL** M,CN,D,A,W

Matrix	Cat. No.	Unit
NEAT	P-951N	10 mg
100 µg/mL in ACN	P-951S-CN	1 mL

## Sulfallate

2-Chloro-2-propen-1-yl diethylcarbamodithioate



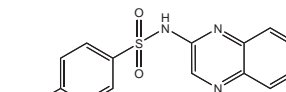
Vegadex

**CAS** 95-06-7 **MF** C<sub>8</sub>H<sub>14</sub>ClNS<sub>2</sub> **MW** 223.79 **PS** L **SG** 1.09 g/cm<sup>3</sup> **BP** 128-130 °C **FP** 100 °C **SOL** M,D,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-327N	10 mg
100 µg/mL in MeOH	P-327S	1 mL

## Sulfaquinoxaline

4-Amino-N-(2-quinoxaliny)benzenesulfonamide



Sulfoquinoxaline

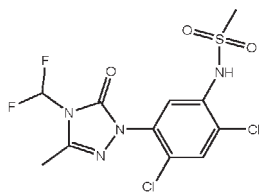
**CAS** 59-40-5 **MF** C<sub>14</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 300.34 **MP** 247-248 °C **SOL** M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-681S	1 mL

# Individual Pesticides

## Sulfentrazone

2',4'-Dichloro-5'-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)methanesulfonanilide

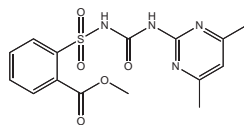


**CAS** 122836-35-5 **MF** C<sub>11</sub>H<sub>10</sub>Cl<sub>2</sub>F<sub>2</sub>N<sub>4</sub>O<sub>3</sub>S **MW** 387.19 **PS** S **SG** 1.21 g/cm<sup>3</sup> **MP** 122 °C **SOL** A,CN,T,H,W

Matrix	Cat. No.	Unit
NEAT	P-798N	10 mg
100 µg/mL in ACN	P-798S-CN	1 mL
1000 µg/mL in ACN	P-798S-CN-10X	1 mL

## Sulfometuron methyl ester

Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfamoyl]benzoate



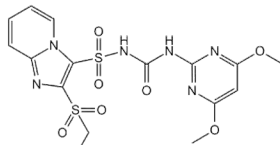
*Sulfometuron methyl*

**CAS** 74222-97-2 **MF** C<sub>13</sub>H<sub>16</sub>N<sub>4</sub>O<sub>5</sub>S **MW** 364.38 **PS** S **SG** 1.48 g/cm<sup>3</sup> **MP** 203-205 °C **SOL** M,A,EA,T,D,W,EA,CN,DMSO

Matrix	Cat. No.	Unit
NEAT	P-336N	10 mg

## Sulfosulfuron

N-[[[(4,6-Dimethoxy-2-pyrimidinyl)amino]carbonyl]-2-(ethylsulfonyl)imidazo[1,2-a]pyridine-3-sulfonamide

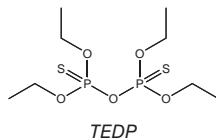


**CAS** 141776-32-1 **MF** C<sub>16</sub>H<sub>18</sub>N<sub>6</sub>O<sub>7</sub>S<sub>2</sub> **MW** 470.48 **PS** S **SG** 1.52 g/cm<sup>3</sup> **MP** 201-202 °C **SOL** M,CN,A,EA,W,D

Matrix	Cat. No.	Unit
10 µg/mL in ACN	P-865S-CN-0.1X	1 mL

## Sulfotep

Tetraethyl dithiopyrophosphate

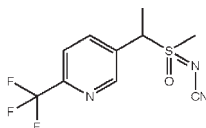


**CAS** 3689-24-5 **MF** C<sub>8</sub>H<sub>20</sub>O<sub>5</sub>P<sub>2</sub>S<sub>2</sub> **MW** 322.32 **PS** L **SG** 1.20 g/cm<sup>3</sup> **BP** 136-139 °C (2mm Hg) **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-167N	10 mg
100 µg/mL in ACN	P-167S-CN	1 mL
1000 µg/mL in ACN	P-167S-CN-10X	1 mL

## Sulfoxaflor

N-[Methyloxodio][1-(6-trifluoromethyl)-3-pyridyl]ethyl]-y4-sulfanylidene]cyanamide

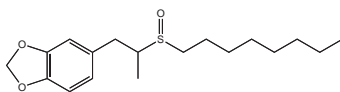


**CAS** 946578-00-3 **MF** C<sub>10</sub>H<sub>10</sub>F<sub>3</sub>N<sub>3</sub>OS **MW** 277.27 **PS** S **SG** 1.52 g/cm<sup>3</sup> **MP** 112-113 °C **BP** Decomp. 167 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1133N	10 mg
100 µg/mL in MeOH	P-1133S	1 mL
1000 µg/mL in ACN	P-1133S-CN-10X	1 mL

## Sulfoxide

2-(1,3-Benzodioxol-5-yl)ethyl octyl sulfoxide

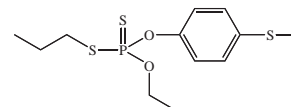


**CAS** 120-62-7 **MF** C<sub>18</sub>H<sub>26</sub>O<sub>3</sub>S **MW** 324.48 **PS** L **SG** 1.06 g/cm<sup>3</sup> **SOL** M,A,D

Matrix	Cat. No.	Unit
NEAT	P-396N	10 mg
100 µg/mL in MeOH	P-396S	1 mL

## Sulprofos

O-Ethyl O-4-(methylthio)phenyl S-propyl phosphorodithioate



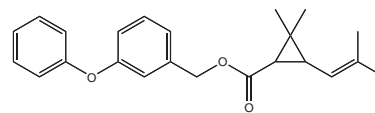
*Bolstar*

**CAS** 35400-43-2 **MF** C<sub>12</sub>H<sub>19</sub>O<sub>2</sub>PS<sub>3</sub> **MW** 322.46 **PS** L **SG** 1.20 g/cm<sup>3</sup> **BP** 155-158 °C (0.01mm Hg) **FP** 64 °C **SOL** M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-108N	10 mg
100 µg/mL in MeOH	P-108S	1 mL
1000 µg/mL in MeOH	P-108S-10X	1 mL
1000 µg/mL in Hexane	P-108S-H-10X	1 mL

## Sumithrin

3-Phenoxybenzyl 2,2-dimethyl-3-(2-methyl-1-propen-1-yl)cyclopropanecarboxylate



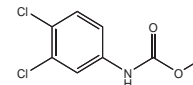
*d-Phenothrin*

**CAS** 26002-80-2 **MF** C<sub>23</sub>H<sub>26</sub>O<sub>3</sub> **MW** 350.45 **PS** L **SG** 1.06 g/cm<sup>3</sup> **BP** 290 °C **FP** 107 °C **SOL** M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-050N	10 mg
100 µg/mL in MeOH	P-050S	1 mL
1000 µg/mL in MeOH	P-050S-10X	1 mL

## Sweep

Methyl 3,4-dichlorocarbanilate



**CAS** 1918-18-9 **MF** C<sub>8</sub>H<sub>7</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 220.05 **PS** S **MP** 113 °C **SOL** M,H,CN

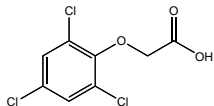
Matrix	Cat. No.	Unit
NEAT	P-061N	10 mg
100 µg/mL in MeOH	P-061S	1 mL

▲ May esterify in methanol

# Individual Pesticides

## 2,4,6-T

2,4,6-Trichlorophenoxyacetic acid

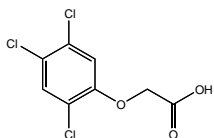


**CAS** 575-89-3 **MF** C<sub>8</sub>H<sub>5</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 255.48 **PS** S  
**MP** 185 °C **SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-523N	10 mg
100 µg/mL in MeOH	P-523S ▲	1 mL
100 µg/mL in ACN	P-523S-CN	1 mL

## 2,4,5-T

2,4,5-Trichlorophenoxyacetic acid

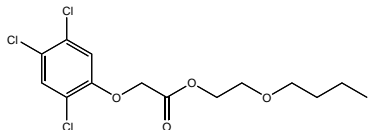


**CAS** 93-76-5 **MF** C<sub>8</sub>H<sub>5</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 255.48 **PS** S  
**SG** 1.80 g/cm<sup>3</sup> **MP** 153-156 °C **BP** Decomp.  
**SOL** M,A,D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-168N	10 mg
100 µg/mL in MeOH	P-168S ▲	1 mL
1000 µg/mL in MeOH	P-168S-10X ▲	1 mL
100 µg/mL in ACN	P-168S-CN	1 mL

## 2,4,5-T butoxyethyl ester

2-Butoxyethyl (2,4,5-trichlorophenoxy)acetate

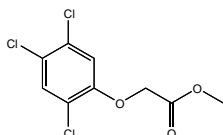


**CAS** 2545-59-7 **MF** C<sub>14</sub>H<sub>17</sub>Cl<sub>3</sub>O<sub>4</sub> **MW** 355.64 **PS** L  
**SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-441N	10 mg
100 µg/mL in ACN	P-441S-CN	1 mL

## 2,4,5-T methyl ester

2,4,5-Trichlorophenoxyacetate



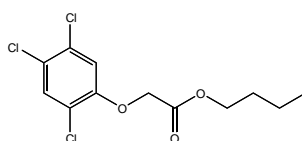
*Methyl (2,4,5-trichlorophenoxy)acetate*

**CAS** 1928-37-6 **MF** C<sub>9</sub>H<sub>7</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 269.51 **PS** S  
**MP** 159 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-067N	10 mg
100 µg/mL in MeOH	P-067S	1 mL

## 2,4,5-T n-butyl ester

2-Butoxyethyl (2,4,5-trichlorophenoxy)acetate

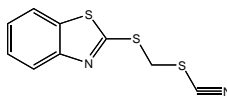


**CAS** 93-79-8 **MF** C<sub>12</sub>H<sub>13</sub>Cl<sub>3</sub>O<sub>3</sub> **MW** 311.59 **PS** S  
**MP** 46 °C **BP** 337 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-440N	10 mg
100 µg/mL in ACN	P-440S-CN	1 mL

## TCMTB

2-(Thiocyanomethylthio)benzothiazole



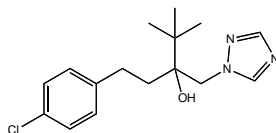
*Busan*

**CAS** 21564-17-0 **MF** C<sub>9</sub>H<sub>9</sub>N<sub>2</sub>S<sub>3</sub> **MW** 238.35 **PS** L  
**SG** 1.47 g/cm<sup>3</sup> **SOL** M,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-072S-CN	1 mL
1000 µg/mL in ACN	P-072S-CN-10X	1 mL

## Tebuconazol

(RS)-1-p-Chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol



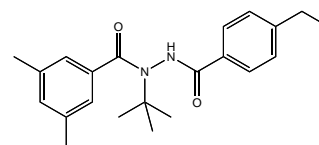
*Folicur*

**CAS** 107534-96-3 **MF** C<sub>16</sub>H<sub>22</sub>ClN<sub>3</sub>O **MW** 307.82  
**PS** S **SG** 1.25 g/cm<sup>3</sup> **MP** 105 °C **BP** Decomp. 350 °C  
**FP** >100 °C **SOL** M,A,D,H,T,CN,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-451N	10 mg
100 µg/mL in MeOH	P-451S	1 mL
1000 µg/mL in MeOH	P-451S-10X	1 mL
1000 µg/mL in Acetone	P-451S-A-10X	1 mL

## Tebufenozide

N-tert-Butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide



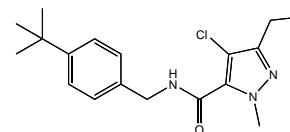
*Tebufenozide*

**CAS** 112410-23-8 **MF** C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>O<sub>2</sub> **MW** 352.47  
**PS** S **SG** 1.03 g/cm<sup>3</sup> **MP** 191 °C  
**SOL** M,A,D,CN,EA,T

Matrix	Cat. No.	Unit
NEAT	P-726N	10 mg
100 µg/mL in MeOH	P-726S	1 mL
1000 µg/mL in ACN	P-726S-CN-10X	1 mL

## Tebufenpyrad

4-Chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-1H-pyrazole-5-carboxamide



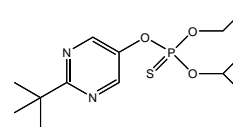
*Pyranica*

**CAS** 119168-77-3 **MF** C<sub>18</sub>H<sub>24</sub>ClN<sub>3</sub>O **MW** 333.86 **PS** S  
**SG** 1.02 g/cm<sup>3</sup> **MP** 65 °C **BP** Decomp. 250 °C  
**SOL** M,A,H,T,CN,D

Matrix	Cat. No.	Unit
NEAT	P-877N	10 mg
100 µg/mL in MeOH	P-877S	1 mL
1000 µg/mL in Acetone	P-877S-A-10X	1 mL

## Tebupirimfos

O-Ethyl O-isopropyl O-[2-(2-methyl-2-propanyl)-5-pyrimidinyl] phosphorothioate



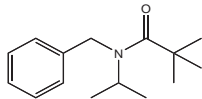
**CAS** 96182-53-5 **MF** C<sub>13</sub>H<sub>23</sub>N<sub>2</sub>O<sub>3</sub>PS **MW** 318.37  
**PS** L **SG** 1.09 g/cm<sup>3</sup> **BP** 152 °C **FP** 93 °C  
**SOL** M,A,H

Matrix	Cat. No.	Unit
NEAT	P-727N	10 mg
100 µg/mL in MeOH	P-727S	1 mL
1000 µg/mL in Acetone	P-727S-A-10X	1 mL

# Individual Pesticides

## Tebutam

N-Benzyl-N-isopropylpivalamide



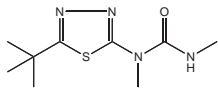
Butam

**CAS** 35256-85-0 **MF** C<sub>15</sub>H<sub>23</sub>NO **MW** 233.35 **PS** L  
**SG** 0.98 g/cm<sup>3</sup> **BP** 98 °C (0.075mm Hg) **FP** 80 °C  
**SOL** M,A,CN,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-879S	1 mL

## Tebuthiuron

1-(5-tert-Butyl-1,3,4-thiadiazol-2-yl)-1,3-dimethylurea

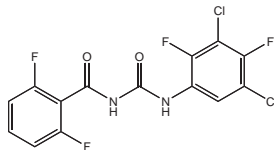


**CAS** 34014-18-1 **MF** C<sub>9</sub>H<sub>16</sub>N<sub>4</sub>OS **MW** 228.32 **PS** S  
**SG** 1.19 g/cm<sup>3</sup> **MP** 161-164 °C (decomp.)  
**SOL** M,A,D,CN,EA,H,W

Matrix	Cat. No.	Unit
NEAT	P-188N	10 mg
100 µg/mL in MeOH	P-188S	1 mL
1000 µg/mL in MeOH	P-188S-10X	1 mL

## Teflubenzuron

1-(2,5-Dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl)urea

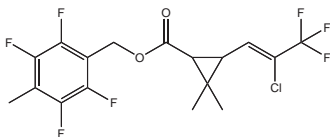


**CAS** 83121-18-0 **MF** C<sub>14</sub>H<sub>6</sub>Cl<sub>2</sub>F<sub>4</sub>N<sub>2</sub>O<sub>2</sub> **MW** 381.11  
**PS** S **SG** 1.65 g/cm<sup>3</sup> **MP** 222-223 °C (decomp.)  
**SOL** A,DMSO,D,H,T,M,CN

Matrix	Cat. No.	Unit
NEAT	P-452N	10 mg
100 µg/mL in MeOH	P-452S	1 mL
1000 µg/mL in ACN	P-452S-CN-10X	1 mL

## Tefluthrin

2,3,5,6-Tetrafluoro-4-methylbenzyl(1RS,3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate

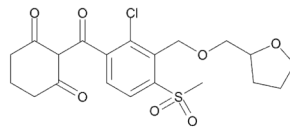


**CAS** 79538-32-2 **MF** C<sub>17</sub>H<sub>14</sub>ClF<sub>7</sub>O<sub>2</sub> **MW** 418.73  
**PS** S **SG** 1.48 g/cm<sup>3</sup> **MP** 45 °C **FP** 124 °C  
**BP** 153 °C (1mm Hg) **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-568S	1 mL
1000 µg/mL in Acetone	P-568S-A-10X	1 mL

## Tefuryltrione

2-[2-Chloro-4-mesyl-3-[(RS)-tetrahydro-2-furylmethoxymethyl]benzoyl]cyclohexane-1,3-dione

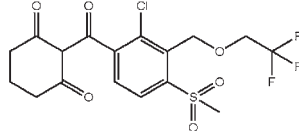


**CAS** 473278-76-1 **MF** C<sub>20</sub>H<sub>23</sub>ClO<sub>7</sub>S **MW** 442.9  
**PS** S **SG** 1.36 g/cm<sup>3</sup> **MP** 116.9 °C **SOL** CN,D,EA,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1501S-CN	1 mL

## Tembotrione

2-[2-Chloro-4-mesyl-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]cyclohexane-1,3-dione

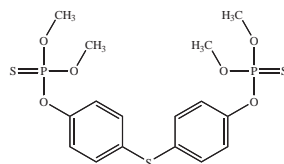


**CAS** 335104-84-2 **MF** C<sub>17</sub>H<sub>16</sub>ClF<sub>3</sub>O<sub>6</sub>S **MW** 440.82  
**PS** S **SG** 1.56 g/cm<sup>3</sup> **BP** Decomp. 150 °C  
**MP** 123 °C **SOL** W,D,DMSO,A,EA,T,H,CN

Matrix	Cat. No.	Unit
NEAT	P-1109N	10 mg
100 µg/mL in ACN	P-1109S-CN	1 mL

## Temphos

O,O,O',O'-Tetramethyl O,O'-thiodi-p-phenylene bis(phosphorothioate)



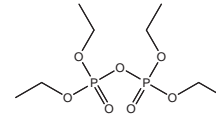
Abate, Abathion

**CAS** 3383-96-8 **MF** C<sub>16</sub>H<sub>20</sub>O<sub>6</sub>P<sub>2</sub>S<sub>3</sub> **MW** 466.47 **PS** S  
**SG** 1.32 g/cm<sup>3</sup> **MP** 30 °C **BP** Decomp. 120 °C  
**SOL** M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-101N	10 mg
100 µg/mL in MeOH	P-101S	1 mL

## TEPP

Tetraethylpyrophosphate



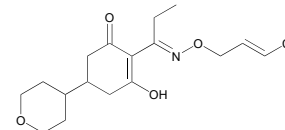
Tetron

**CAS** 107-49-3 **MF** C<sub>8</sub>H<sub>20</sub>O<sub>7</sub>P<sub>2</sub> **MW** 290.19 **PS** L  
**SG** 1.19 g/cm<sup>3</sup> **BP** 82 °C (0.05mm Hg) **FP**>100 °C  
**SOL** D,H,CN,A,M

Matrix	Cat. No.	Unit
NEAT	P-207N	10 mg
1000 µg/mL in Hexane	P-207S-H-10X	1 mL

## Tepraloxidim

(5RS)-2-[(EZ)-1-[(2E)-3-Chloroallyloxyimino]propyl]-3-hydroxy-5-perhydropyran-4-ylcyclohex-2-en-1-one

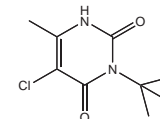


**CAS** 149979-41-9 **MF** C<sub>17</sub>H<sub>24</sub>ClNO<sub>4</sub> **MW** 341.83  
**PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 74 °C **BP** >185 °C  
**SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1011S-CN	1 mL
1000 µg/mL in ACN	P-1011S-CN-10X	1 mL

## Terbacil

3-tert-Butyl-5-chloro-6-methyluracil



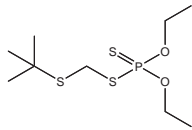
**CAS** 5902-51-2 **MF** C<sub>9</sub>H<sub>13</sub>ClN<sub>2</sub>O<sub>2</sub> **MW** 216.69 **PS** S  
**SG** 1.34 g/cm<sup>3</sup> **MP** 175-177 °C  
**SOL** M,A,D,H,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-096N	10 mg
100 µg/mL in MeOH	P-096S	1 mL

# Individual Pesticides

## Terbufos

S-tert-Butylthiomethyl  
O,O-diethyl phosphorodithioate



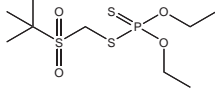
Counter

**CAS** 13071-79-9 **MF** C<sub>9</sub>H<sub>21</sub>O<sub>2</sub>PS<sub>3</sub> **MW** 288.43 **PS** L  
**SG** 1.10 g/cm<sup>3</sup> **BP** 69 °C (0.01mm Hg)  
**FP** 88 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-208N	10 mg
100 µg/mL in MeOH	P-208S	1 mL
1000 µg/mL in Acetone	P-208S-A-10X	1 mL
1000 µg/mL in Hexane	P-208S-H-10X	1 mL

## Terbufos sulfone

O,O-Diethyl S-(((2-methyl-2-propenyl)sulfonyl)methyl)  
phosphorodithioate

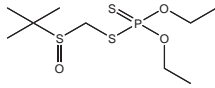


**CAS** 56070-16-7 **MF** C<sub>9</sub>H<sub>21</sub>O<sub>4</sub>PS<sub>3</sub> **MW** 320.43  
**PS** S **SOL** M,A,CN,TP,EA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-729S-CN	1 mL

## Terbufos-sulfoxide

O,O-Diethyl S-(((2-methyl-2-propenyl)sulfonyl)methyl)  
phosphorodithioate

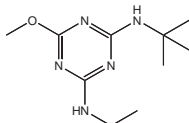


**CAS** 10548-10-4 **MF** C<sub>9</sub>H<sub>21</sub>O<sub>3</sub>PS<sub>3</sub> **MW** 304.43  
**PS** L **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-730N	10 mg
100 µg/mL in ACN	P-730S-CN	1 mL

## Terbumeton

N-Ethyl-6-methoxy-N'-(2-methyl-2-propenyl)-1,3,5-  
triazine-2,4-diamine

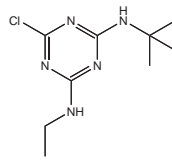


**CAS** 33693-04-8 **MF** C<sub>10</sub>H<sub>19</sub>N<sub>5</sub>O **MW** 225.29 **PS** S  
**SG** 1.08 g/cm<sup>3</sup> **MP** 118-120 °C **SOL** W,A,T,M,D,CN

Matrix	Cat. No.	Unit
NEAT	P-504N	10 mg
100 µg/mL in MeOH	P-504S	1 mL
1000 µg/mL in MeOH	P-504S-10X	1 mL

## Terbutylazine

6-Chloro-N-ethyl-N'-(2-methyl-2-propenyl)-1,3,5-tri-  
azine-2,4-diamine



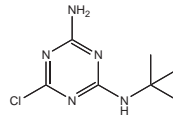
Gardoprim

**CAS** 5915-41-3 **MF** C<sub>9</sub>H<sub>16</sub>ClN<sub>5</sub> **MW** 229.71 **PS** S  
**SG** 1.19 g/cm<sup>3</sup> **MP** 178 °C **FP** >150 °C  
**SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-169N	10 mg
100 µg/mL in MeOH	P-169S	1 mL

## Terbutylazine desethyl

6-Chloro-N-(2-methyl-2-propenyl)-1,3,5-triazine-2,4-  
diamine



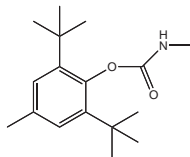
Desethylterbutylazine

**CAS** 30125-63-4 **MF** C<sub>7</sub>H<sub>12</sub>ClN<sub>5</sub> **MW** 201.66 **PS** S  
**FP** >100 °C **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-613N	10 mg
100 µg/mL in MeOH	P-613S	1 mL

## Terbutol

2,6-Di-tert-butyl-p-tolyl methylcarbamate



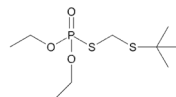
Terbutcarb

**CAS** 1918-11-2 **MF** C<sub>17</sub>H<sub>27</sub>NO<sub>2</sub> **MW** 277.4 **PS** S  
**SG** 0.97 g/cm<sup>3</sup> **MP** 200 - 201 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-464N	10 mg
100 µg/mL in MeOH	P-464S	1 mL

## Terbufos-oxon

O,O-Diethyl S-(tert-butylthio)methyl  
phosphorothioate

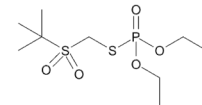


**CAS** 56070-14-5 **MF** C<sub>9</sub>H<sub>21</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 272 **PS** L  
**SOL** CN,M,EA,D

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1388S-CN	1 mL

## Terbufos oxon sulfone

2-(Diethoxyphosphorylsulfanyl)methylsulfonyl)-2-  
methylpropane

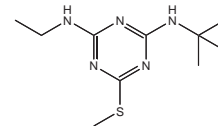


**CAS** 56070-15-6 **MF** C<sub>9</sub>H<sub>21</sub>O<sub>5</sub>PS<sub>2</sub> **MW** 304.36 **PS** L  
**SOL** D,M,CN,EA,A

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1389S-CN	1 mL

## Terbutryn

2-tert-Butylamino-4-ethylamino-6-meth-  
ylthio-1,3,5-triazine



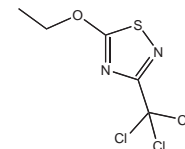
Igran, Prebane

**CAS** 886-50-0 **MF** C<sub>10</sub>H<sub>19</sub>N<sub>5</sub>S **MW** 241.36 **PS** S  
**SG** 1.12 g/cm<sup>3</sup> **MP** 105 °C  
**BP** 154-160 °C (0.06mm Hg)  
**SOL** M,A,D,T,CN,TP,EA,H

Matrix	Cat. No.	Unit
NEAT	P-119N	10 mg
100 µg/mL in MeOH	P-119S	1 mL
1000 µg/mL in Acetone	P-119S-A-10X	1 mL

## Terrazole

Ethyl 3-trichloromethyl-1,2,4-thiadiazol-5-yl ether



Etridiazole

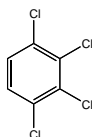
**CAS** 2593-15-9 **MF** C<sub>5</sub>H<sub>5</sub>Cl<sub>3</sub>N<sub>2</sub>OS **MW** 247.53 **PS** L  
**SG** 1.50 g/cm<sup>3</sup> **BP** 95 °C (1mm Hg) **FP** 154 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-190N	10 mg
100 µg/mL in MeOH	P-190S	1 mL
1000 µg/mL in Acetone	P-190S-A-10X	1 mL



# Individual Pesticides

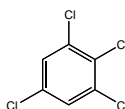
## 1,2,3,4-Tetrachlorobenzene



**CAS** 634-66-2 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub> **MW** 215.89 **PS** S  
**SG** 1.7 g/cm<sup>3</sup> **MP** 42-47 °C **BP** 254 °C **FP** 113 °C  
**SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-999N	10 mg
100 µg/mL in MeOH	P-999S	1 mL

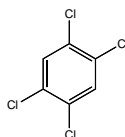
## 1,2,3,5-Tetrachlorobenzene



**CAS** 634-90-2 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub> **MW** 215.89 **PS** S  
**SG** 1.57 g/cm<sup>3</sup> **MP** 50-51 °C **BP** 246 °C **FP** 113 °C  
**SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-1001N	10 mg
100 µg/mL in Isooctane	P-1001S-TP	1 mL

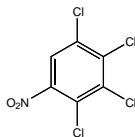
## 1,2,4,5-Tetrachlorobenzene



**CAS** 95-94-3 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub> **MW** 215.89 **PS** S  
**SG** 1.86 g/cm<sup>3</sup> **MP** 138-140 °C **BP** 240-246 °C  
**FP** 160 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-1003N	10 mg
100 µg/mL in MeOH	P-1003S	1 mL

## 2,3,4,5-Tetrachloronitrobenzene

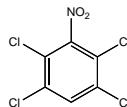


**CAS** 879-39-0 **MF** C<sub>6</sub>HCl<sub>4</sub>NO<sub>2</sub> **MW** 260.89 **PS** S  
**MP** 65 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1000N	10 mg
100 µg/mL in MeOH	P-1000S	1 mL

## 2,3,5,6-Tetrachloronitrobenzene

1,2,4,5-Tetrachloro-3-nitrobenzene



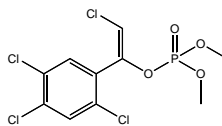
TCNB, Tecnazene

**CAS** 117-18-0 **MF** C<sub>6</sub>HCl<sub>4</sub>NO<sub>2</sub> **MW** 260.89 **PS** S  
**SG** 1.75 g/cm<sup>3</sup> **MP** 98-101 °C **BP** 304 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-467N	10 mg
100 µg/mL in MeOH	P-467S	1 mL

## Tetrachlorvinphos

(Z)-2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate



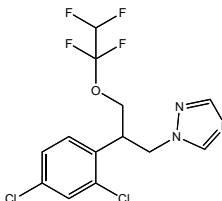
Stirophos

**CAS** 22248-79-9 **MF** C<sub>10</sub>H<sub>9</sub>Cl<sub>4</sub>O<sub>4</sub>P **MW** 365.96  
**PS** S **SG** 1.52 g/cm<sup>3</sup> **MP** 94-97 °C  
**BP** Decomp. 100 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-125N	10 mg
100 µg/mL in MeOH	P-125S	1 mL
1000 µg/mL in ACN	P-125S-CN-10X	1 mL
1000 µg/mL in Hexane	P-125S-H-10X	1 mL

## Tetraconazole

(RS)-2-(2,4-Dichlorophenyl)-3-(1H-1,2,4-triazol-1-yl)propyl-1,1,2,2-tetrafluoroethyl ether

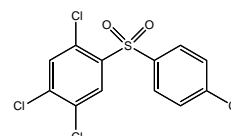


**CAS** 112281-77-3 **MF** C<sub>13</sub>H<sub>11</sub>Cl<sub>2</sub>F<sub>4</sub>N<sub>3</sub>O **MW** 372.15  
**PS** L **SG** 1.43 g/cm<sup>3</sup> **BP** Decomp. 240 °C  
**FP** 219 °C **SOL** M,A,T,CN,EA,W,CN,H

Matrix	Cat. No.	Unit
NEAT	P-721N	10 mg
100 µg/mL in MeOH	P-721S	1 mL
1000 µg/mL in ACN	P-721S-CN-10X	1 mL

## Tetradifon

4-Chlorophenyl 2,4,5-trichlorophenyl sulfone

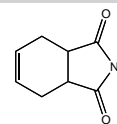


Tedion V-18

**CAS** 116-29-0 **MF** C<sub>12</sub>H<sub>6</sub>Cl<sub>4</sub>O<sub>2</sub>S **MW** 356.05 **PS** S  
**SG** 1.52 g/cm<sup>3</sup> **MP** 146 °C  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-261N	10 mg
100 µg/mL in MeOH	P-261S	1 mL
1000 µg/mL in Acetone	P-261S-A-10X	1 mL

## 1,2,3,6-Tetrahydrophthalimide

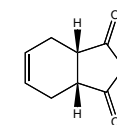


**CAS** 85-40-5 **MF** C<sub>8</sub>H<sub>7</sub>NO<sub>2</sub> **MW** 151.18 **PS** S  
**SG** 1.23 g/cm<sup>3</sup> **MP** 137 °C **BP** 337 °C  
**FP** 165 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-621N	10 mg
100 µg/mL in MeOH	P-621S	1 mL

## cis-1,2,3,6-Tetrahydrophthalimide

cis-delta4-Tetrahydrophthalimide

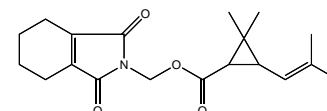


**CAS** 1469-48-3 **MF** C<sub>8</sub>H<sub>7</sub>NO<sub>2</sub> **MW** 151.16 **PS** S  
**MP** 129-133 °C **BP** 324 °C **FP** 178 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-116S	1 mL
1000 µg/mL in MeOH	P-116S-10X	1 mL

## Tetramethrin

(1,3,4,5,6,7-Hexahydro-1,3-dioxo-2H-isoindol-2-yl) methyl -2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropane carboxylate



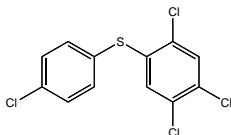
**CAS** 7696-12-0 **MF** C<sub>19</sub>H<sub>25</sub>NO<sub>4</sub> **MW** 331.41 **PS** S  
**SG** 1.11 g/cm<sup>3</sup> **MP** 60-80 °C  
**BP** 185-190 °C (0.1 mm Hg) **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-406N	10 mg
100 µg/mL in MeOH	P-406S	1 mL

# Individual Pesticides

## Tetrasul

4-Chlorophenyl 2,4,5-trichlorophenyl sulfide

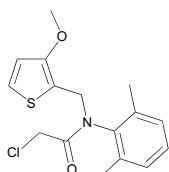


**CAS** 2227-13-6 **MF** C<sub>12</sub>H<sub>6</sub>Cl<sub>4</sub>S **MW** 324.05 **PS** S  
**MP** 88 °C **BP** 200 °C (1mm Hg) **SOL** A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-552N	10 mg
100 µg/mL in MeOH	P-552S	1 mL
1000 µg/mL in MeOH	P-552S-10X	1 mL

## Thenylchlor

2-Chloro-N-(3-methoxy-2-thenyl)-2',6'-dimethylacetanilide



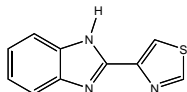
*Kusamets*

**CAS** 96491-05-3 **MF** C<sub>16</sub>H<sub>18</sub>ClNO<sub>2</sub>S **MW** 323.84  
**PS** S **SG** 1.19 g/cm<sup>3</sup> **MP** 73 °C **BP** 174 °C  
**FP** 224 °C **SOL** A,CN,H,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1194S-CN	1 mL
1000 µg/mL in ACN	P-1194S-CN-10X	1 mL

## Thiabendazole

2-(4-Thiazolyl)benzimidazole



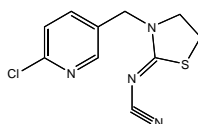
*TBZ*

**CAS** 148-79-8 **MF** C<sub>10</sub>H<sub>7</sub>N<sub>3</sub>S **MW** 201.25 **PS** S  
**SG** 1.34 g/cm<sup>3</sup> **MP** 304-305 °C  
**BP** Sublimes >310 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-068N	10 mg
100 µg/mL in MeOH	P-068S	1 mL
1000 µg/mL in MeOH:ACN	P-068S-CN-10X	1 mL

## Thiacloprid

(3-((6-Chloro-3-pyridinyl)methyl)-2-thiazolidinylidene)cyanamide



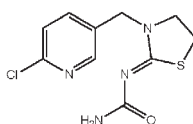
*Calypso*

**CAS** 111988-49-9 **MF** C<sub>10</sub>H<sub>8</sub>ClN<sub>2</sub>S **MW** 252.72 **PS** S  
**SG** 1.46 g/cm<sup>3</sup> **MP** 136 °C **BP** Decomp. 270 °C  
**SOL** W,H,D,A,EA,CN,DMSO,M

Matrix	Cat. No.	Unit
NEAT	P-838N	10 mg
100 µg/mL in ACN	P-838S-CN	1 mL

## Thiacloprid-amide

[3-(6-Chloro-3-pyridylmethyl)thiazolidin-2-ylidene]urea

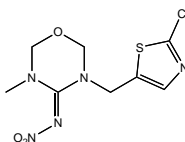


**CAS** 676228-91-4 **MF** C<sub>10</sub>H<sub>11</sub>ClN<sub>4</sub>OS **MW** 270.74  
**PS** S **MP** 171 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-1223N	10 mg
100 µg/mL in ACN	P-1223S	1 mL

## Thiamethoxam

3-(2-Chloro-5-thiazolylmethyl)tetrahydro-5-methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine

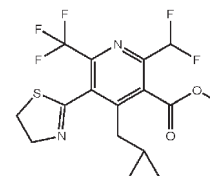


**CAS** 153719-23-4 **MF** C<sub>9</sub>H<sub>10</sub>ClN<sub>5</sub>O<sub>3</sub>S **MW** 291.72  
**PS** S **SG** 1.57 g/cm<sup>3</sup> **MP** 140 °C  
**BP** Decomp. 147 °C **SOL** W,A,EA,D,T,M,H,CN

Matrix	Cat. No.	Unit
NEAT	P-866N	10 mg
100 µg/mL in ACN	P-866S-CN	1 mL
1000 µg/mL in ACN	P-866S-CN-10X	1 mL

## Thiazopyr

Methyl 2-difluoromethyl-5-(4,5-dihydro-1,3-thiazol-2-yl)-4-isobutyl-6-trifluoromethylnicotinate



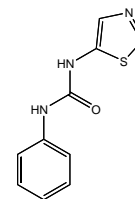
*Thiazopyr*

**CAS** 117718-60-2 **MF** C<sub>16</sub>H<sub>17</sub>F<sub>5</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 396.38  
**PS** S **SG** 1.37 g/cm<sup>3</sup> **MP** 77-78 °C **SOL** M,H,A

Matrix	Cat. No.	Unit
NEAT	P-808N	10 mg
100 µg/mL in MeOH	P-808S	1 mL
1000 µg/mL in Acetone	P-808S-A-10X	1 mL

## Thidiazuron

1-Phenyl-3-(1,2,3-thiadiazol-5-yl)urea

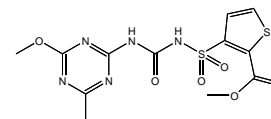


**CAS** 51707-55-2 **MF** C<sub>9</sub>H<sub>8</sub>N<sub>4</sub>OS **MW** 220.25 **PS** S  
**SG** 1.51 g/cm<sup>3</sup> **MP** 211-213 °C (decomp.)  
**SOL** M,T,A,EA,H,D,CN

Matrix	Cat. No.	Unit
NEAT	P-369N	10 mg
100 µg/mL in MeOH	P-369S	1 mL
100 µg/mL in ACN	P-369S-CN	1 mL
1000 µg/mL in ACN	P-369S-CN-10X	1 mL

## Thifensulfuron methyl

Methyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoylsulfamoyl)thiophene-2-carboxylate



*Harmony*

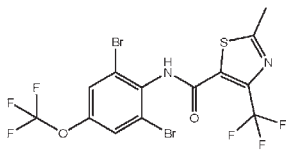
**CAS** 79277-27-3 **MF** C<sub>12</sub>H<sub>13</sub>N<sub>5</sub>O<sub>6</sub>S<sub>2</sub> **MW** 387.39  
**PS** S **SG** 1.49 g/cm<sup>3</sup> **MP** 176 °C  
**SOL** W,EA,M,CN,H,A,D

Matrix	Cat. No.	Unit
NEAT	P-468N	10 mg
100 µg/mL in ACN	P-468S-CN	1 mL
100 µg/mL in ACN	P-468S-CN-10X	1 mL

# Individual Pesticides

## Thiifluzamide

2',6'-Dibromo-2-methyl-4'-trifluoromethoxy-4-trifluoromethyl-1,3-thiazole-5-carboxanilide

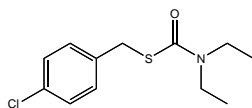


**CAS** 130000-40-7 **MF** C<sub>13</sub>H<sub>6</sub>Br<sub>2</sub>F<sub>6</sub>N<sub>2</sub>O<sub>2</sub>S  
**MW** 528.06 **PS** S **SG** 2.0 g/cm<sup>3</sup> **MP** 178-179 °C  
**BP** Decomp. **FP** 177 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-1055N	10 mg
100 µg/mL in MeOH	P-1055S	1 mL

## Thiobencarb

S-4-Chlorbenzyl diethylthiocarbamate



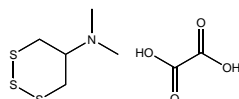
*Benthiocarb*

**CAS** 28249-77-6 **MF** C<sub>12</sub>H<sub>16</sub>ClNOS **MW** 257.78  
**PS** L **SG** 1.18 g/cm<sup>3</sup> **BP** 126-129 °C (0.008mm Hg)  
**SOL** M,A,D,H,CN,TP,EA,T

Matrix	Cat. No.	Unit
NEAT	P-180N	10 mg
100 µg/mL in MeOH	P-180S	1 mL
1000 µg/mL in MeOH	P-180S-10X	1 mL
1000 µg/mL in Acetone	P-180S-A-10X	1 mL

## Thiocyclam hydrogen oxalate

N,N-Dimethyl-1,2,3-trithian-5-amine hydrogen oxalate

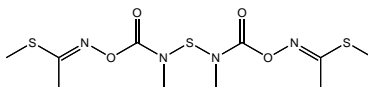


**CAS** 31895-22-4 **MF** C<sub>7</sub>H<sub>13</sub>NO<sub>4</sub>S<sub>3</sub> **MW** 271.38  
**PS** S **SG** 0.60 g/cm<sup>3</sup> **MP** 125-128 °C (decomp.)  
**FP** >130 °C **SOL** DMSO,M,CN,A,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-688S	1 mL
1000 µg/mL in MeOH	P-688S-10X	1 mL

## Thiodicarb

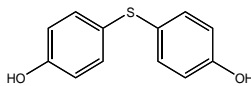
Dimethyl N,N'-[thiobis((methylimino)carbonyloxy)] bis[ethanimidothioate]



**CAS** 59669-26-0 **MF** C<sub>10</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub>S<sub>3</sub> **MW** 354.47  
**PS** S **SG** 1.44 g/cm<sup>3</sup> **MP** 173-174 °C  
**BP** Decomp. 185 °C **SOL** D,A,T,M,H,CN

Matrix	Cat. No.	Unit
NEAT	P-477N	10 mg
100 µg/mL in MeOH	P-477S	1 mL
1000 µg/mL in ACN	P-477S-CN-10X	1 mL

## 4,4'-Thiodiphenol

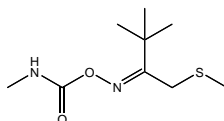


**CAS** 2664-63-3 **MF** C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>S **MW** 218.27 **PS** S  
**MP** 154-156 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-117N	10 mg
100 µg/mL in MeOH	P-117S	1 mL
1000 µg/mL in MeOH	P-117S-10X	1 mL

## Thiofanox

3,3-Dimethyl-1-methylthiobutanone O-methylcarbamoyloxime

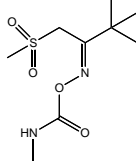


**CAS** 39196-18-4 **MF** C<sub>9</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 218.32  
**PS** S **SG** 1.05 g/cm<sup>3</sup> **MP** 57-58 °C **FP** >100 °C  
**SOL** CN,M,W

Matrix	Cat. No.	Unit
NEAT	P-266N	10 mg
100 µg/mL in MeOH	P-266S	1 mL

## Thiofanox sulfone

3,3-Dimethyl-1-(methylsulfonyl)-2-butanone O-((methylamino)carbonyl)oxime

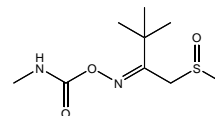


**CAS** 39184-59-3 **MF** C<sub>9</sub>H<sub>18</sub>N<sub>2</sub>O<sub>4</sub>S<sub>2</sub> **MW** 250.32  
**SG** 1.18 g/cm<sup>3</sup> **SOL** CN

Matrix	Cat. No.	Unit
10 µg/mL in ACN	P-839S-CN-0.1X	1 mL

## Thiofanox sulfoxide

3,3-Dimethyl-1-(methylsulfinyl)-2-butanone O-((methylamino)carbonyl)oxime

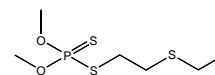


**CAS** 39184-27-5 **MF** C<sub>9</sub>H<sub>18</sub>N<sub>2</sub>O<sub>3</sub>S **MW** 234.32  
**PS** S **SG** 1.16 g/cm<sup>3</sup> **MP** 88-89 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-702N	10 mg
100 µg/mL in MeOH	P-702S	1 mL

## Thiometon

2-Ethylthioethyl O,O-dimethyl phosphorodithioate



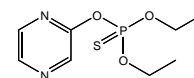
*Ekatin*

**CAS** 640-15-3 **MF** C<sub>6</sub>H<sub>15</sub>O<sub>2</sub>PS<sub>3</sub> **MW** 246.35 **PS** L  
**SG** 1.21 g/cm<sup>3</sup> **BP** 110 °C (0.1mm Hg)  
**SOL** W,M,A,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-486N	10 mg
100 µg/mL in MeOH	P-486S	1 mL
1000 µg/mL in MeOH	P-486S-10X	1 mL

## Thionazin

O,O-Diethyl O-2-pyrazinyl phosphorothioate



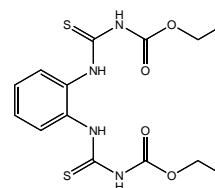
*Zinophos*

**CAS** 297-97-2 **MF** C<sub>8</sub>H<sub>13</sub>N<sub>2</sub>O<sub>3</sub>PS **MW** 248.24 **PS** L  
**SG** 1.21 g/cm<sup>3</sup> **BP** 80 °C **SOL** M,A,D,H,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-171S	1 mL

## Thiophanate

Diethyl 4,4'-(o-phenylene)bis(3-thioallophanate)



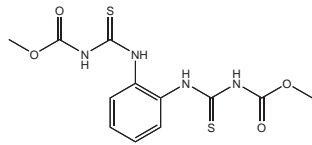
**CAS** 23564-06-9 **MF** C<sub>14</sub>H<sub>18</sub>N<sub>4</sub>O<sub>4</sub>S<sub>2</sub> **MW** 370.45  
**PS** S **MP** 195 °C (decomp.) **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-321N	10 mg
100 µg/mL in MeOH	P-321S	1 mL
100 µg/mL in ACN	P-321S-CN	1 mL

# Individual Pesticides

## Thiophanate-methyl

Dimethyl [(1,2-phenylene)bis-(iminocarbonothionyl)] bis[carbamate]

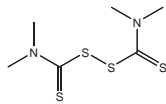


**CAS** 23564-05-8 **MF** C<sub>12</sub>H<sub>14</sub>N<sub>4</sub>O<sub>4</sub>S<sub>2</sub> **MW** 342.4  
**PS S** **SG** 1.50 g/cm<sup>3</sup> **MP** 172 °C (decomp.)  
**SOL** W,A,M,CN,EA,H,T,D

Matrix	Cat. No.	Unit
NEAT	P-349N	10 mg
100 µg/mL in MeOH	P-349S	1 mL

## Thiram

bis(Dimethylthiocarbamoyl) disulfide



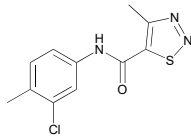
Tetramethylthiuram disulfide

**CAS** 137-26-8 **MF** C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>S<sub>4</sub> **MW** 240.44 **PS S**  
**SG** 1.29 g/cm<sup>3</sup> **MP** 156 °C **FP** 150 °C **BP** Decomp.  
**SOL** W,H,M,D,A,EA,CN

Matrix	Cat. No.	Unit
NEAT	P-118N	10 mg
100 µg/mL in MeOH	P-118S	1 mL
1000 µg/mL in MeOH	P-118S-10X	1 mL

## Tiadinil

N-(3-Chloro-4-methylphenyl)-4-methyl-1,2,3-thiadiazole-5-carboxamide

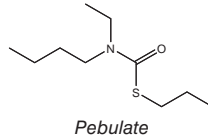


**CAS** 223580-51-6 **MF** C<sub>11</sub>H<sub>10</sub>ClN<sub>3</sub>OS **MW** 267.73  
**PS S** **MP** 112 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1112S-CN	1 mL
1000 µg/mL in ACN	P-1112S-CN-10X	1 mL

## Tillam

S-Propyl butyl(ethyl)thiocarbamate



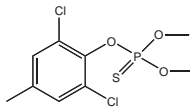
Pebulate

**CAS** 1114-71-2 **MF** C<sub>10</sub>H<sub>21</sub>NOS **MW** 203.35 **PS L**  
**SG** 0.96 g/cm<sup>3</sup> **BP** 142 °C (21mm Hg) **FP** 124 °C  
**SOL** M,A,D,H,CN,TP,EA,T

Matrix	Cat. No.	Unit
NEAT	P-105N	10 mg
100 µg/mL in MeOH	P-105S	1 mL
1000 µg/mL in MeOH	P-105S-10X	1 mL

## Tolclofos-methyl

O-(2,6-Dichloro-p-tolyl)  
O,O-dimethyl phosphorothioate

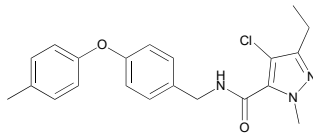


**CAS** 57018-04-9 **MF** C<sub>9</sub>H<sub>7</sub>Cl<sub>2</sub>O<sub>3</sub>PS **MW** 301.13  
**PS S** **SG** 1.52 g/cm<sup>3</sup> **MP** 78-80 °C **FP** >100 °C  
**BP** Decomp. 120 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-557N	10 mg
100 µg/mL in Acetone	P-557S-A	1 mL
1000 µg/mL in Acetone	P-557S-A-10X	1 mL

## Tolfenpyrad

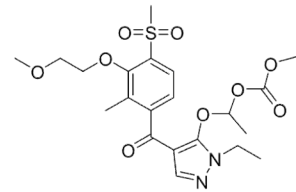
4-Chloro-3-ethyl-1-methyl-N-[4-(p-toloxyl)benzyl]  
pyrazole-5-carboxamide



**CAS** 129558-76-5 **MF** C<sub>21</sub>H<sub>22</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 383.88  
**PS S** **MP** 87-89 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
NEAT	P-1097N	10 mg
1000 µg/mL in ACN	P-1097S-CN-10X	1 mL

## Tolpyralate

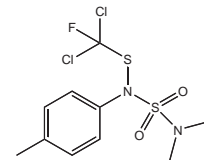


**CAS** 1101132-67-5 **MF** C<sub>21</sub>H<sub>28</sub>N<sub>2</sub>O<sub>9</sub>S **MW** 484.52  
**PS S** **MP** 125.9-126.9 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1497N	10 mg
100 µg/mL in ACN	P-1497S-CN	1 mL

## Tolyfluanide

N-Dichlorofluoromethylthio-N',N'-dimethyl-N-p-tolyl-  
sulfamide

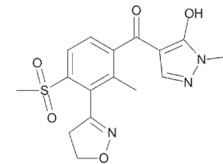


**CAS** 731-27-1 **MF** C<sub>10</sub>H<sub>13</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>2</sub>S<sub>2</sub> **MW** 347.26  
**PS S** **SG** 1.52 g/cm<sup>3</sup> **MP** 93 °C **BP** Decomp. 200 °C  
**FP** >150 °C **SOL** M,A,D,T,CN,TP,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-553N	10 mg
100 µg/mL in MeOH	P-553S	1 mL
1000 µg/mL in Acetone	P-553S-A-10X	1 mL

## Topramezone

[3-(4,5-Dihydro-1,2-oxazol-3-yl)-4-mesylo-tolyl]  
(5-hydroxy-1-methylpyrazol-4-yl)methanone

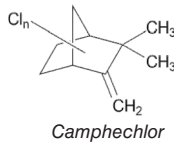


**CAS** 210631-68-8 **MF** C<sub>16</sub>H<sub>17</sub>N<sub>3</sub>O<sub>5</sub>S **MW** 363.39  
**PS S** **SG** 1.41 g/cm<sup>3</sup> **MP** 219.8-221.5 °C  
**BP** Decomp. at 300 °C **SOL** D,EA,H,CN,M,T,W

Matrix	Cat. No.	Unit
NEAT	P-1241N	10 mg

# Individual Pesticides

## Toxaphene

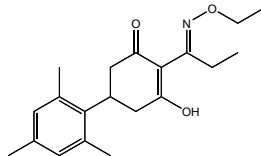


**CAS** 8001-35-2 **MF** C<sub>10</sub>H<sub>10</sub>Cl<sub>8</sub> **MW** 413.81 **PS** S  
**SG** 1.65 g/cm<sup>3</sup> **MP** 65-90 °C **BP** Decomp.  
**FP** 135 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-093N	10 mg
100 µg/mL in MeOH	P-093S	1 mL
1000 µg/mL in MeOH	P-093S-10X	1 mL
1000 µg/mL in Hexane	P-093S-H-10X	1 mL

## Tralkoxydim

2-[1-(Ethoxyimino)propyl]-3-hydroxy-5-mesitylcyclohex-2-enone

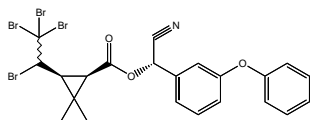


**CAS** 87820-88-0 **MF** C<sub>20</sub>H<sub>27</sub>NO<sub>3</sub> **MW** 329.43 **PS** S  
**SG** 1.16 g/cm<sup>3</sup> **MP** 106 °C **BP** Decomp. 129 °C  
**FP** >100 °C **SOL** H,M,A,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-405N	10 mg
100 µg/mL in MeOH	P-405S	1 mL
1000 µg/mL in MeOH	P-405S-10X	1 mL

## Tralomethrin

Cyano(3-phenoxyphenyl)methyl 2,2-dimethyl-3-[1,2,2,2-tetrabromoethyl]cyclopropanecarboxylate

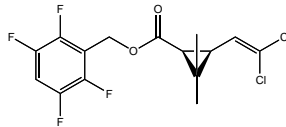


**CAS** 66841-25-6 **MF** C<sub>22</sub>H<sub>13</sub>Br<sub>4</sub>NO<sub>3</sub> **MW** 665.01  
**PS** S **SG** 1.70 g/cm<sup>3</sup> **MP** 138-148 °C **FP** 26 °C  
**SOL** A,D,T,DMSO,H,CN

Matrix	Cat. No.	Unit
NEAT	P-478N	10 mg
100 µg/mL in MeOH	P-478S	1 mL
1000 µg/mL in Acetone	P-478S-A-10X	1 mL

## Transfluthrin

2,3,5,6-Tetrafluorobenzyl (1R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

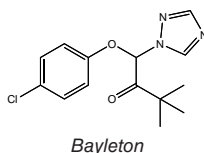


**CAS** 118712-89-3 **MF** C<sub>15</sub>H<sub>12</sub>Cl<sub>2</sub>F<sub>4</sub>O<sub>2</sub> **MW** 371.15  
**PS** S **SG** 1.51 g/cm<sup>3</sup> **BP** 135 °C (0.07mm Hg)  
**MP** 32 °C **FP** >35 °C **SOL** M,CN,T,H,D

Matrix	Cat. No.	Unit
NEAT	P-743N	10 mg
100 µg/mL in MeOH	P-743S	1 mL

## Triadimefon

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-one

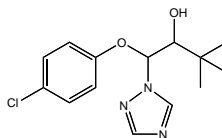


**CAS** 43121-43-3 **MF** C<sub>14</sub>H<sub>16</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 293.75  
**PS** S **SG** 1.22 g/cm<sup>3</sup> **MP** 82 °C **FP** 72 °C  
**SOL** M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-069N	10 mg
100 µg/mL in MeOH	P-069S	1 mL
1000 µg/mL in Acetone	P-069S-A-10X	1 mL

## Triadimenol

(1R,2RS;1RS,2SR)-1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol

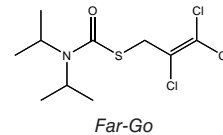


**CAS** 55219-65-3 **MF** C<sub>14</sub>H<sub>18</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 295.76  
**PS** S **SG** 1.24 g/cm<sup>3</sup> **MP** 110 °C  
**BP** Decomp. 270 °C **SOL** M,A,T,CN,D,IPA,H

Matrix	Cat. No.	Unit
NEAT	P-361N	10 mg
100 µg/mL in MeOH	P-361S	1 mL
1000 µg/mL in ACN	P-361S-CN-10X	1 mL

## Triallate

S-2,3,3-Trichloroallyl diisopropyl(thiocarbamate)

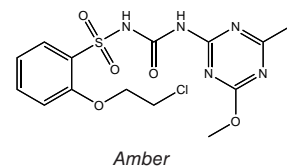


**CAS** 2303-17-5 **MF** C<sub>10</sub>H<sub>16</sub>Cl<sub>3</sub>NOS **MW** 304.66  
**PS** S **SG** 1.27g/cm<sup>3</sup> **MP** 29 °C **BP** 117 °C (40mPa)  
**FP** 90 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-268N	10 mg
100 µg/mL in MeOH	P-268S	1 mL
1000 µg/mL in MeOH	P-268S-10X	1 mL

## Triasulfuron

2-(2-Chloroethoxy)-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]benzenesulfonamide

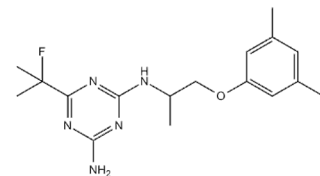


**CAS** 82097-50-5 **MF** C<sub>14</sub>H<sub>16</sub>ClN<sub>2</sub>O<sub>5</sub>S **MW** 401.83  
**PS** S **SG** 1.5 g/cm<sup>3</sup> **MP** 178.1 °C (Decomp.)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-592N	10 mg
100 µg/mL in ACN	P-592S-CN	1 mL
1000 µg/mL in ACN	P-592S-CN-10X	1 mL

## Triaziflam

N-[1-(3,5-Dimethylphenoxy)-2-propanyl]-6-(2-fluoro-2-propanyl)-1,3,5-triazine-2,4-diamine



**CAS** 131475-57-5 **MF** C<sub>17</sub>H<sub>24</sub>FN<sub>3</sub>O **MW** 333.4  
**PS** S **MP** 100-105 °C **SOL** M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1346S	1 mL

## 1,2,4-Triazole



*Pyrradiazole*

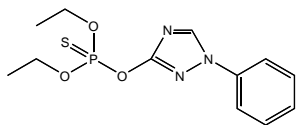
**CAS** 288-88-0 **MF** C<sub>2</sub>H<sub>3</sub>N<sub>3</sub> **MW** 69.07 **PS** S  
**SG** 1.39 g/cm<sup>3</sup> **BP** 260 °C (Decomp.)  
**MP** 119-121 °C **FP** 170 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-627N	10 mg
100 µg/mL in MeOH	P-627S	1 mL

# Individual Pesticides

## Triazophos

O,O-Diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate

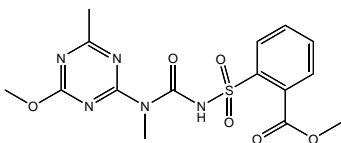


**CAS** 24017-47-8 **MF** C<sub>12</sub>H<sub>16</sub>N<sub>3</sub>O<sub>3</sub>PS **MW** 313.31  
**PS** L **SG** 1.25 g/cm<sup>3</sup> **BP** Decomp. 140 °C  
**FP** 193 °C **SOL** A,D,M,IPA,EA,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-334N	10 mg
100 µg/mL in MeOH	P-334S	1 mL
1000 µg/mL in Acetone	P-334S-A-10X	1 mL

## Tribenuron-methyl

Methyl 2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoylsulfomoyl]benzoate

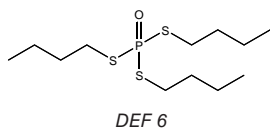


**CAS** 101200-48-0 **MF** C<sub>15</sub>H<sub>17</sub>N<sub>5</sub>O<sub>6</sub>S **MW** 395.39  
**PS** S **SG** 1.54 g/cm<sup>3</sup> **BP** Decomp. 175 °C  
**MP** 141 °C **SOL** W,A,CN,EA,M,D

Matrix	Cat. No.	Unit
NEAT	P-666N	10 mg
100 µg/mL in ACN	P-666S-CN	1 mL
1000 µg/mL in ACN	P-666S-CN-10X	1 mL

## Tribufos

S,S,S-Tributylphosphorotrithioate



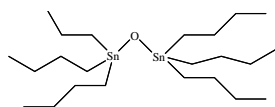
DEF 6

**CAS** 78-48-8 **MF** C<sub>12</sub>H<sub>27</sub>OPS<sub>3</sub> **MW** 314.54 **PS** L  
**SG** 1.06 g/cm<sup>3</sup> **BP** 210 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-150N	10 mg
100 µg/mL in MeOH	P-150S	1 mL
1000 µg/mL in MeOH	P-150S-10X	1 mL

## bis(Tributyltin)oxide

Tributyltin oxide



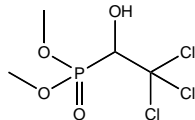
Hexabutylldistannoxane

**CAS** 56-35-9 **MF** C<sub>24</sub>H<sub>54</sub>OSn<sub>2</sub> **MW** 596.1 **PS** L  
**SG** 1.17 g/cm<sup>3</sup> **BP** 180 °C (2mm Hg) **FP** 190 °C  
**SOL** M,A,D,H,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-455N	10 mg

## Trichlorfon

Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate

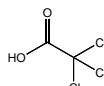


Chlorophos, Tugon

**CAS** 52-68-6 **MF** C<sub>4</sub>H<sub>8</sub>Cl<sub>3</sub>O<sub>4</sub>P **MW** 257.44 **PS** S  
**SG** 1.73 g/cm<sup>3</sup> **MP** 73 °C **BP** Decomp. 100 °C  
**SOL** M,A,D,H,T,CN,TP,EA,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-044N	10 mg
100 µg/mL in MeOH	P-044S	1 mL

## Trichloroacetic acid

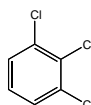


TCA

**CAS** 76-03-9 **MF** C<sub>2</sub>HCl<sub>3</sub>O<sub>2</sub> **MW** 163.39 **PS** S  
**SG** 1.6 g/cm<sup>3</sup> **MP** 55-58 °C **BP** 196-197 °C  
**SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-459N-100MG	100 mg
100 µg/mL in MeOH	P-459S	1 mL
100 µg/mL in ACN	P-459S-CN	1 mL

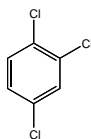
## 1,2,3-Trichlorobenzene



**CAS** 87-61-6 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub> **MW** 181.45 **PS** S  
**SG** 1.69 g/cm<sup>3</sup> **MP** 51-54 °C **BP** 218-219 °C  
**FP** 126 °C **SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-1002N	10 mg
100 µg/mL in Isooctane	P-1002S-TP	1 mL

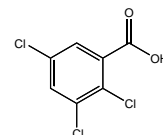
## 1,2,4-Trichlorobenzene



**CAS** 120-82-1 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub> **MW** 181.45 **PS** L  
**SG** 1.45 g/cm<sup>3</sup> **BP** 213 °C **FP** 110 °C  
**SOL** M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-1004N	10 mg
100 µg/mL in MeOH	P-1004S	1 mL

## 2,3,5-Trichlorobenzoic acid

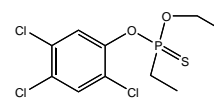


**CAS** 50-73-7 **MF** C<sub>7</sub>H<sub>3</sub>Cl<sub>3</sub>O<sub>2</sub> **MW** 225.46 **PS** S  
**SG** 1.64 g/cm<sup>3</sup> **MP** 166-167 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-508N	10 mg
100 µg/mL in MeOH	P-508S	1 mL
100 µg/mL in ACN	P-508S-CN	1 mL

## Trichloronate

O-Ethyl O-2,4,5-trichlorophenyl ethylphosphonothioate

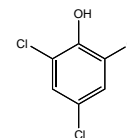


Agritox

**CAS** 327-98-0 **MF** C<sub>10</sub>H<sub>12</sub>Cl<sub>3</sub>O<sub>2</sub>PS **MW** 333.6 **PS** L  
**SG** 1.36 g/cm<sup>3</sup> **BP** 108 °C (0.01mm Hg)  
**SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-127N	10 mg
100 µg/mL in MeOH	P-127S	1 mL

## 2,4,6-Trichlorophenol

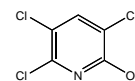


**CAS** 88-06-2 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub>O **MW** 197.45 **PS** S  
**SG** 1.49 g/cm<sup>3</sup> **MP** 70 °C **BP** 246 °C **FP** 99 °C  
**SOL** M,A,D,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-1006N	10 mg
100 µg/mL in MeOH	P-1006S	1 mL

## 3,5,6-Trichloro-2-pyridinol

2,3,5-Trichloro-6-hydroxypyridine



**CAS** 6515-38-4 **MF** C<sub>5</sub>H<sub>2</sub>Cl<sub>3</sub>NO **MW** 198.43 **PS** S  
**SG** 1.67 g/cm<sup>3</sup> **MP** 175-177 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-626N	10 mg
100 µg/mL in MeOH	P-626S	1 mL

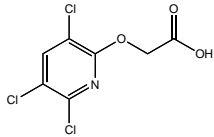
▲ May esterify in methanol



# Individual Pesticides

## Triclopyr

3,5,6-Trichloro-2-pyridyloxyacetic acid



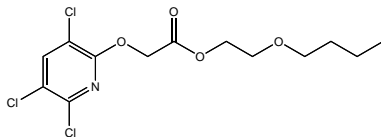
Garlon

**CAS** 55335-06-3 **MF** C<sub>7</sub>H<sub>4</sub>Cl<sub>3</sub>NO<sub>3</sub> **MW** 256.47  
**PS** S **SG** 1.85 g/cm<sup>3</sup> **MP** 151 °C  
**BP** Decomp. 208 °C **SOL** W,A,CN,H,T,D,M,EA

Matrix	Cat. No.	Unit
NEAT	P-289N	10 mg
100 µg/mL in MeOH	P-289S ▲	1 mL
100 µg/mL in ACN	P-289S-CN	1 mL

## Triclopyr-2-butoxy ethyl ester

2-Butoxyethyl 3,5,6-Trichloro-2-pyridyloxyacetate

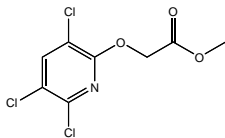


**CAS** 64700-56-7 **MF** C<sub>13</sub>H<sub>16</sub>Cl<sub>3</sub>NO<sub>4</sub> **MW** 356.63  
**PS** L **SG** 1.33 g/cm<sup>3</sup> **BP** 370 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-703N	10 mg
100 µg/mL in ACN	P-703S-CN	1 mL

## Triclopyr methyl ester

Methyl 3,5,6-Trichloro-2-pyridyloxyacetate



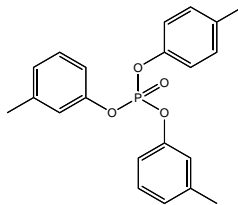
3,5,6-Trichloro-2-pyridyloxyacetic acid methyl ester

**CAS** 60825-26-5 **MF** C<sub>8</sub>H<sub>6</sub>Cl<sub>3</sub>NO<sub>3</sub> **MW** 270.5 **PS** S  
**SG** 1.51 g/cm<sup>3</sup> **MP** 105-106 °C **SOL** M,A,D,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-291S	1 mL

## Tricresyl phosphate

Tritolyl phosphate



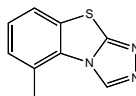
Tricresylphosphate

**CAS** 1330-78-5 **MF** C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>P **MW** 368.36  
**PS** L **SG** 1.17 g/cm<sup>3</sup> **BP** 265 °C (10mm Hg)  
**FP** >250 °C **SOL** M,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-209N	10 mg
100 µg/mL in MeOH	P-209S	1 mL

## Tricyclazole

5-Methyl-1,3,4-triazolo[3,4-b][1,3]benzothiazole



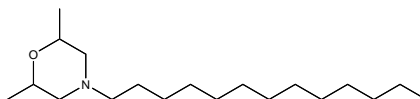
Beam

**CAS** 41814-78-2 **MF** C<sub>9</sub>H<sub>7</sub>N<sub>3</sub>S **MW** 189.24 **PS** S  
**SG** 1.40 g/cm<sup>3</sup> **MP** 187-188 °C **BP** 275 °C  
**SOL** M,A,D,H,W,EA

Matrix	Cat. No.	Unit
NEAT	P-090N	10 mg
100 µg/mL in MeOH	P-090S	1 mL
1000 µg/mL in ACN	P-090S-CN-10X	1 mL

## Tridemorph

2,6-Dimethyl-4-tridecylmorpholine

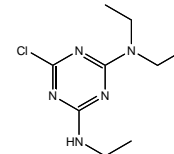


**CAS** 24602-86-6 **MF** C<sub>19</sub>H<sub>39</sub>NO **MW** 297.52 **PS** L  
**SG** 0.86 g/cm<sup>3</sup> **BP** 134 °C (0.5mm Hg) **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-307N	10 mg
100 µg/mL in MeOH	P-307S	1 mL
1000 µg/mL in MeOH	P-307S-10X	1 mL

## Trietazine

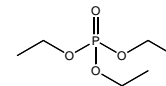
6-Chloro-N,N,N'-triethyl-1,3,5-triazine-2,4-diamine



**CAS** 1912-26-1 **MF** C<sub>9</sub>H<sub>16</sub>ClN<sub>3</sub> **MW** 229.71 **PS** S  
**SG** 1.22 g/cm<sup>3</sup> **MP** 102-103 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-492N	10 mg
100 µg/mL in MeOH	P-492S	1 mL

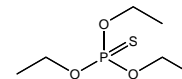
## Triethylphosphate



**CAS** 78-40-0 **MF** C<sub>6</sub>H<sub>15</sub>O<sub>4</sub>P **MW** 182.15 **PS** L  
**SG** 1.07 g/cm<sup>3</sup> **BP** 215 °C **FP** 116 °C  
**SOL** M,D,H,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-335N	10 mg
100 µg/mL in MeOH	P-335S	1 mL

## O,O,O-Triethylphosphorothioate

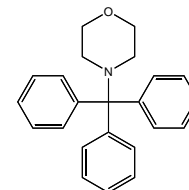


**CAS** 126-68-1 **MF** C<sub>6</sub>H<sub>15</sub>O<sub>3</sub>PS **MW** 198.22 **PS** L  
**SG** 1.08 g/cm<sup>3</sup> **BP** 220 °C **FP** 75 °C  
**SOL** M,A,D,H,CN

Matrix	Cat. No.	Unit
NEAT	P-172N	10 mg
100 µg/mL in MeOH	P-172S	1 mL
1000 µg/mL in Hexane	P-172S-H-10X	1 mL

## Trifenmorph (Tech Mix)

4-(Triphenylmethyl)morpholine



4-Tritylmorpholine

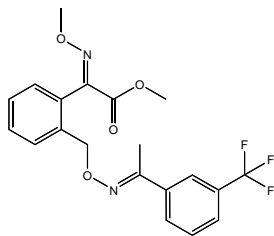
**CAS** 1420-06-0 **MF** C<sub>23</sub>H<sub>23</sub>NO **MW** 329.43 **PS** S  
**MP** 174-176 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-300N	10 mg
100 µg/mL in ACN	P-300S-CN	1 mL

# Individual Pesticides

## Trifloxystrobin

Methyl (E)-methoxyimino-((E)-a-[1-(a,a,a-trifluoro-m-tolyl)ethylideneaminoxy]-o-tolyl)acetate

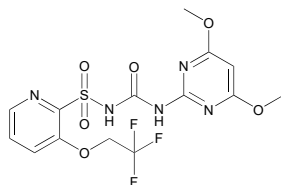


**CAS** 141517-21-7 **MF** C<sub>20</sub>H<sub>19</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **MW** 408.37  
**PS S** **SG** 1.36 g/cm<sup>3</sup> **MP** 73 °C **FP** >70 °C  
**BP** Decomp. 285 °C **SOL** M,A,D,T,CN,H,EA

Matrix	Cat. No.	Unit
NEAT	P-867N	10 mg
100 µg/mL in ACN	P-867S-CN	1 mL
1000 µg/mL in ACN	P-867S-CN-10X	1 mL

## Trifloxysulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-[3-(2,2,2-trifluoroethoxy)-2-pyridylsulfonyl]urea

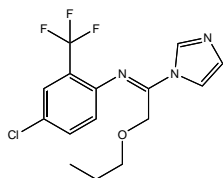


**CAS** 145099-21-4 **MF** C<sub>14</sub>H<sub>14</sub>F<sub>3</sub>N<sub>5</sub>O<sub>6</sub>S **MW** 437.35  
**PS S** **MP** 137 °C decomp. **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1169S-CN	1 mL
1000 µg/mL in ACN	P-1169S-CN-10X	1 mL

## Triflumizole

1-(1-((4-Chloro-2-(trifluoromethyl)phenyl)imino)-2-propoxyethyl)-1H-imidazole

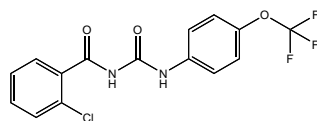


**CAS** 68694-11-1 **MF** C<sub>15</sub>H<sub>15</sub>ClF<sub>3</sub>N<sub>3</sub>O **MW** 345.75  
**PS S** **SG** 1.38 g/cm<sup>3</sup> **MP** 64 °C **SOL** W,H,A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-479S-CN	1 mL
1000 µg/mL in Acetone	P-479S-A-10X	1 mL

## Triflumuron

2-Chloro-N-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide

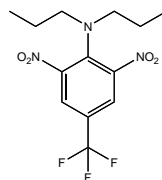


**CAS** 64628-44-0 **MF** C<sub>15</sub>H<sub>10</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>3</sub> **MW** 358.7  
**PS S** **SG** 1.55 g/cm<sup>3</sup> **MP** 195 °C  
**BP** Decomp. 360 °C **SOL** D,IPA,T,M,A,EA,CN

Matrix	Cat. No.	Unit
NEAT	P-689N	10 mg
100 µg/mL in MeOH	P-689S	1 mL
1000 µg/mL in Acetone	P-689S-A-10X	1 mL

## Trifluralin

alpha,alpha,alpha-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine



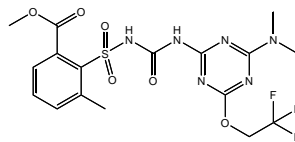
*Treflan*

**CAS** 1582-09-8 **MF** C<sub>13</sub>H<sub>16</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub> **MW** 335.28  
**PS S** **SG** 1.36 g/cm<sup>3</sup> **MP** 49 °C **BP** 139-140 °C (4.2mm Hg) **FP** 151 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-197N	10 mg
100 µg/mL in MeOH	P-197S	1 mL
1000 µg/mL in MeOH	P-197S-10X	1 mL
1000 µg/mL in Acetone	P-197S-A-10X	1 mL

## Triflusulfuron-methyl

Methyl 2-[4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-ylaminocarbonylamino]sulfonyl-3-methylbenzoate

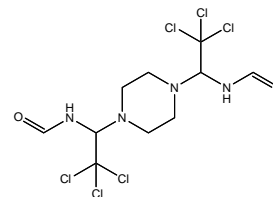


**CAS** 126535-15-7 **MF** C<sub>17</sub>H<sub>19</sub>F<sub>3</sub>N<sub>6</sub>O<sub>6</sub>S **MW** 492.43  
**PS S** **SG** 1.45 g/cm<sup>3</sup> **MP** 160-163 °C **FP** >150 °C  
**SOL** W,D,A,M,T,CN,EA,H

Matrix	Cat. No.	Unit
NEAT	P-840N	10 mg
100 µg/mL in ACN	P-840S-CN	1 mL

## Triforine

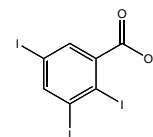
N,N'-[Piperazine-1,4-diybis((trichloromethyl)methylene)]diformamide



**CAS** 26644-46-2 **MF** C<sub>10</sub>H<sub>14</sub>Cl<sub>6</sub>N<sub>4</sub>O<sub>2</sub> **MW** 434.96  
**PS S** **SG** 1.55 g/cm<sup>3</sup> **BP** 155 °C (decomp.)  
**MP** 155 °C **SOL** DMSO,A,D,M,CN

Matrix	Cat. No.	Unit
NEAT	P-308N	10 mg
100 µg/mL in MeOH	P-308S	1 mL

## 2,3,5-Triiodobenzoic acid

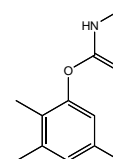


**CAS** 88-82-4 **MF** C<sub>7</sub>H<sub>3</sub>I<sub>3</sub>O<sub>2</sub> **MW** 499.81 **PS S**  
**MP** 224-226 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-507N	10 mg
100 µg/mL in MeOH	P-507S	1 mL
100 µg/mL in ACN	P-507S-CN	1 mL

## 2,3,5-Trimethacarb

2,3,5-Trimethylphenyl methylcarbamate



**CAS** 2655-15-4 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub> **MW** 193.24 **PS S**  
**MP** 122-123 °C **BP** 288 °C **FP** 100 °C **SOL** M,A

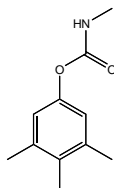
Matrix	Cat. No.	Unit
NEAT	P-515N	10 mg
100 µg/mL in MeOH	P-515S	1 mL
1000 µg/mL in MeOH	P-515S-10X	1 mL

▲ May esterify in methanol

# Individual Pesticides

## 3,4,5-Trimethacarb

3,4,5-Trimethylphenyl methylcarbamate



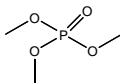
3,4,5-Trimethylphenyl methylcarbamic acid ester

**CAS** 2686-99-9 **MF** C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub> **MW** 193.24 **PS** S  
**SG** 1.05 g/cm<sup>3</sup> **MP** 118-119 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-516N	10 mg
100 µg/mL in MeOH	P-516S	1 mL
1000 µg/mL in MeOH	P-516S-10X	1 mL

## Trimethyl phosphate

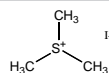
Phosphoric acid, trimethyl ester



**CAS** 512-56-1 **MF** C<sub>3</sub>H<sub>9</sub>O<sub>4</sub>P **MW** 140.07 **PS** L  
**SG** 1.20 g/cm<sup>3</sup> **BP** 197 °C **FP** 150 °C  
**SOL** M,D,H,EA

Matrix	Cat. No.	Unit
NEAT	P-210N	10 mg
100 µg/mL in MeOH	P-210S	1 mL

## Trimethylsulfonium iodide

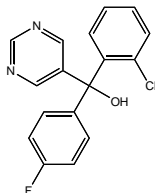


**CAS** 2181-42-2 **MF** C<sub>3</sub>H<sub>9</sub>IS **MW** 204.07 **PS** S  
**MP** 215-220 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1016N	10 mg
100 µg/mL in MeOH	P-1016S	1 mL

## Trimidal

a-(2-Chlorophenyl)-a-(4-fluorophenyl)-5-pyrimidine-methanol



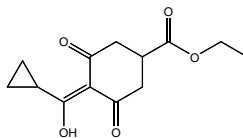
Nuarimol

**CAS** 63284-71-9 **MF** C<sub>17</sub>H<sub>12</sub>ClFN<sub>2</sub>O **MW** 314.74  
**PS** S **SG** 0.70 g/cm<sup>3</sup> **MP** 126 °C **SOL** A,M,CN

Matrix	Cat. No.	Unit
NEAT	P-422N	10 mg
100 µg/mL in MeOH	P-422S	1 mL
1000 µg/mL in Acetone	P-422S-A-10X	1 mL

## Trinexapac-ethyl

Ethyl 4-(cyclopropylhydroxymethylene)-3,5-dioxocyclohexanecarboxylate

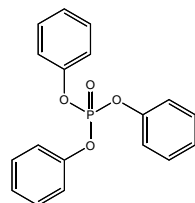


**CAS** 95266-40-3 **MF** C<sub>13</sub>H<sub>16</sub>O<sub>5</sub> **MW** 252.26 **PS** S  
**SG** 1.22 g/cm<sup>3</sup> **MP** 36 °C **BP** >270 °C **FP** 133 °C  
**SOL** W,A,T,H,M,CN

Matrix	Cat. No.	Unit
NEAT	P-1034N	10 mg
100 µg/mL in MeOH	P-1034S	1 mL

## Triphenylphosphate

Phosphoric acid, triphenyl ester

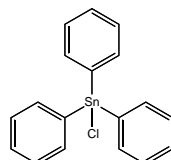


**CAS** 115-86-6 **MF** C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>P **MW** 326.28 **PS** S  
**SG** 1.27 g/cm<sup>3</sup> **MP** 50 °C **BP** 244 °C (10mm Hg)  
**FP** 220 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-192N	10 mg
100 µg/mL in MeOH	P-192S	1 mL
1000 µg/mL in MeOH	P-192S-10X	1 mL

## Triphenyltin chloride

Chlorotriphenylstannane



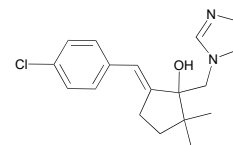
Fentin chloride

**CAS** 639-58-7 **MF** C<sub>18</sub>H<sub>15</sub>Cl<sub>2</sub>Sn **MW** 385.47 **PS** S  
**MP** 103-106 °C **BP** 240 °C (135mm Hg)  
**FP** >110 °C **SOL** M,D

Matrix	Cat. No.	Unit
NEAT	P-526N	10 mg
100 µg/mL in MeOH	P-526S	1 mL

## Triticonazole

(RS)-(E)-5-(4-Chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol

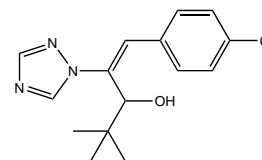


**CAS** 131983-72-7 **MF** C<sub>17</sub>H<sub>20</sub>ClN<sub>3</sub>O **MW** 317.82  
**PS** S **SG** 1.326 g/cm<sup>3</sup> **MP** 139-141 °C  
**SOL** A,CN,EA,M,TP

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-868S-CN	1 mL
1000 µg/mL in ACN	P-868S-CN-10X	1 mL

## Uniconazole

1H-1,2,4-Triazole-1-ethanol, b-[(4-chlorophenyl)methylene]-a-(1,1-dimethylethyl)-

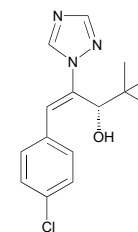


**CAS** 83657-22-1 **MF** C<sub>15</sub>H<sub>18</sub>ClN<sub>3</sub>O **MW** 291.78  
**PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 147-164 °C **SOL** M,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1092S-CN	1 mL
1000 µg/mL in ACN	P-1092S-CN-10X	1 mL

## Uniconazole-P

(1E,3S)-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)-1-penten-3-ol



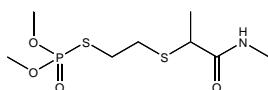
**CAS** 83657-17-4 **MF** C<sub>15</sub>H<sub>18</sub>ClN<sub>3</sub>O **MW** 291.78  
**PS** S **SG** 1.28 g/cm<sup>3</sup> **MP** 152-156 °C **BP** 475 °C  
**FP** 195 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-1113S-CN	1 mL
1000 µg/mL in ACN	P-1113S-CN-10X	1 mL

# Individual Pesticides

## Vamidothion

O,O-Dimethyl S-2-(1-methylcarbamoylethylthio) ethyl phosphorothioate



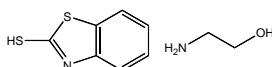
*Kilval*

**CAS** 2275-23-2 **MF** C<sub>8</sub>H<sub>18</sub>NO<sub>4</sub>PS<sub>2</sub> **MW** 287.34  
**PS S** **MP** 43 °C **SOL** T,EA,CN,D,W,M,A

Matrix	Cat. No.	Unit
NEAT	P-350N	10 mg
100 µg/mL in ACN	P-350S-CN	1 mL
1000 µg/mL in ACN	P-350S-CN-10X	1 mL

## Vanicide-20S

Phorate sulfonate

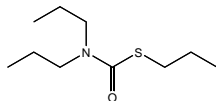


**CAS** 5902-85-2 **MF** C<sub>7</sub>H<sub>5</sub>NS<sub>2</sub>•C<sub>2</sub>H<sub>5</sub>NO **MW** 228.34  
**PS S** **SOL** M,A,T

Matrix	Cat. No.	Unit
NEAT	P-073N	10 mg
100 µg/mL in MeOH	P-073S	1 mL

## Vernolate

S-Propyl dipropylthiocarbamate



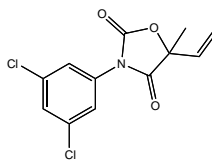
*Vernam*

**CAS** 1929-77-7 **MF** C<sub>10</sub>H<sub>21</sub>NOS **MW** 203.38 **PS L**  
**SG** 0.95 g/cm<sup>3</sup> **BP** 150 °C (30mm Hg) **FP** 121 °C  
**SOL** M,A,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-111N	10 mg
100 µg/mL in MeOH	P-111S	1 mL
1000 µg/mL in MeOH	P-111S-10X	1 mL

## Vinclozolin

(RS)-3-(3,5-Dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione

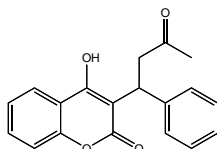


**CAS** 50471-44-8 **MF** C<sub>12</sub>H<sub>9</sub>Cl<sub>2</sub>NO<sub>3</sub> **MW** 286.11  
**PS S** **SG** 1.51 g/cm<sup>3</sup> **MP** 107-110 °C  
**BP** 131 °C (0.005mm Hg) **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-122N	10 mg
100 µg/mL in MeOH	P-122S	1 mL
1000 µg/mL in MeOH	P-122S-10X	1 mL
1000 µg/mL in Acetone	P-122S-A-10X	1 mL

## Warfarin

(RS)-4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin

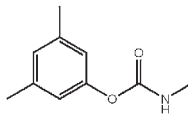


**CAS** 81-81-2 **MF** C<sub>19</sub>H<sub>16</sub>O<sub>4</sub> **MW** 308.33 **PS S**  
**SG** 1.31 g/cm<sup>3</sup> **MP** 161-162 °C **BP** Decomp.  
**SOL** A,M,EA

Matrix	Cat. No.	Unit
NEAT	P-076N	10 mg
100 µg/mL in MeOH	P-076S	1 mL

## XMC

3,5-Xylyl methylcarbamate

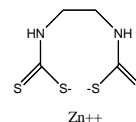


**CAS** 2655-14-3 **MF** C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub> **MW** 179.22 **PS S**  
**SG** 0.54 g/cm<sup>3</sup> **MP** 99 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1085N	10 mg
100 µg/mL in MeOH	P-1085S	1 mL
1000 µg/mL in MeOH	P-1085S-10X	1 mL

## Zineb

Zinc ethylenebis(dithiocarbamate)



Zn<sup>++</sup>

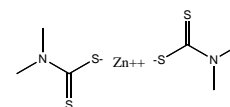
*1,2-Ethanediyldithiocarbamodithioic acid, zinc complex, Lonacol*

**CAS** 12122-67-7 **MF** C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>S<sub>4</sub>•Zn **MW** 275.76  
**PS S** **SG** 1.74 g/cm<sup>3</sup> **MP** 157 °C (decomp.)  
**FP** 90 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-098N	10 mg

## Ziram

Zinc dimethyldithiocarbamate



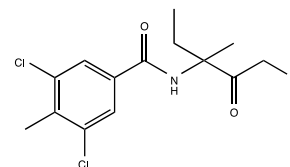
*Zinc bis(dimethyldithiocarbamate)*

**CAS** 137-30-4 **MF** C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>S<sub>4</sub>Zn **MW** 305.83 **PS S**  
**SG** 1.66 g/cm<sup>3</sup> **MP** 251-253 °C **SOL** A,M,T,H,EA

Matrix	Cat. No.	Unit
NEAT	P-324N	10 mg
100 µg/mL in MeOH	P-324S	1 mL

## Zoxamide

3,5-Dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-p-toluamide



**CAS** 156052-68-5 **MF** C<sub>14</sub>H<sub>16</sub>Cl<sub>3</sub>NO<sub>2</sub> **MW** 336.64  
**PS S** **SG** 1.38 g/cm<sup>3</sup> **MP** 159-162 °C  
**SOL** A,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in ACN	P-970S-CN	1 mL

# Neonicotinoids, Fipronils and Kits

Honeybee Colony Collapse Disorder (CCD) has shown this group of pesticides may be a contributing factor or may be solely responsible or working synergistically towards contributing to honeybee decline. Included in this group are the neonicotinoid pesticides and fipronil and fipronil metabolites which have been suspected as possible causative agents.

## Neonicotinoids

Compound	CAS	NEAT Cat. No.	Unit	SOLUTION Cat. No.	100 µg/mL Solvent	Unit
Acetamiprid	135410-20-7	P-820N	10 mg	P-820S-CN	ACN	1 mL
6-Chloropyridine-3-carboxylic acid	5326-23-8	P-1267N	10 mg	P-1267S	MeOH	1 mL
Clothianidin	210880-92-5	P-947N	10 mg	P-947S	MeOH	1 mL
N-Desmethylthiamethoxam	171103-04-1	----	-----	P-1266S	MeOH	1 mL
Dinotefuran	165252-70-0	----	-----	P-986S-CN	ACN	1 mL
Furathiocarb	65907-30-4	----	-----	P-569S	MeOH	1 mL
6-Hydroxypyridine-3-carboxylic acid	5006-66-6	P-1226N	10 mg	P-1226S	MeOH	1 mL
Imidacloprid	138261-41-3	P-596N	10 mg	P-596S	MeOH	1 mL
2-Imidazolidone	120-93-4	P-1224N	10 mg	P-1224S	MeOH	1 mL
Nitenpyram	150824-47-8	P-858N	10 mg	P-858S-CN	ACN	1 mL
Sulfoxaflor	946578-00-3	P-1133N	10 mg	P-1133S	MeOH	1 mL
Thiacloprid	111988-49-9	P-838N	10 mg	P-838S-CN	ACN	1 mL
Thiacloprid-amide	676228-91-4	P-1223N	10 mg	P-1223S	MeOH	1 mL
Thiamethoxam	153719-23-4	P-866N	10 mg	P-866S-CN	ACN	1 mL



## Fipronils and Metabolites

Compound	CAS	NEAT Cat. No.	Unit	SOLUTION Cat. No.	100 µg/mL Solvent	Unit
Fipronil	120068-37-3	P-738N	10 mg	P-738S	MeOH	1 mL
				P-738S-A	Acetone	1 mL
Fipronil desulfinyl	205650-65-3	----	-----	P-782S-A	Acetone	1 mL
Fipronil sulfide	120067-83-6	P-781N-5MG	5 mg	P-781S-A	Acetone	1 mL
Fipronil sulfone	120068-36-2	----	-----	P-780S-A	Acetone	1 mL
<b>Fipronil and Metabolite Kit</b>				<b>P-FIP-MET-KIT</b>		<b>4 x 1 mL</b>
						P-738S, P-782S-A, P-781S-A, P-780S-A

## Technical Note

Fipronil is in the phenyl pyrazole class of pesticides. It is a broad-spectrum insecticide used in many different applications. Fipronil can be found in many commercial topical flea and tick treatments for cats and dogs, because it is not readily absorbed through the skin, and has a comparatively low toxicity if ingested.

Fipronil produces three notable metabolites: Fipronil sulfide, Fipronil sulfone and Fipronil desulfinyl. These metabolites form under various conditions and are more toxic and environmentally persistent than the parent compound.

## Pesticide-Herbicides Kits

### Neat Pesticide Kit

Z-004-SET \* 20 x 10 mg

Aldrin	Dieldrin
α-BHC	Heptachlor
β-BHC	Heptachlor epoxide (Isomer B)
δ-BHC	Lindane (γ-BHC)
o,p'-DDD	Malathion
p,p'-DDD	Methoxychlor
o,p'-DDE	Mirex
p,p'-DDE	Parathion
o,p'-DDT	Carbaryl
p,p'-DDT	Toxaphene

\* V-Rated packaging surcharge applies for international shipments.

### Neat Pesticide (Solid Waste) Kit

Z-017-SET 6 x 10 mg

2,4-D	P-020N	Methoxychlor	P-064N
Endrin	P-045N	Silvex	P-084N
Lindane	P-059N	Toxaphene	P-093N

Designed for evaluating the ability of a column to separate pesticides and their degradation products.

### Pesticides in Solutions (Individual and Kits)

Z-023-SET

21 x 1 mL  
Each in Isooctane, 1 mL

Compound	Conc.	Cat. No.	Compound	Conc.	Cat. No.
Aldrin	200 ng/µL	P-002S-1	Endrin	200 ng/µL	P-045S-1
	2 ng/µL	P-002S-2		2 ng/µL	P-045S-2
Chlordane (Tech Mix)	200 ng/µL	P-017S-1	Heptachlor	200 ng/µL	P-053S-1
	2 ng/µL	P-017S-2		2 ng/µL	P-053S-2
2,4-D methyl ester	200 ng/µL	P-021S-1	Lindane	200 ng/µL	P-059S-1
p,p'-DDE	200 ng/µL	P-027S-1	Methoxychlor	200 ng/µL	P-059S-2
	2 ng/µL	P-027S-2		200 ng/µL	P-064S-1
p,p'-DDT	200 ng/µL	P-029S-1	Silvex methyl ester	200 ng/µL	P-115S-1
	2 ng/µL	P-029S-2		200 ng/µL	P-093S-1
Dieldrin	200 ng/µL	P-037S-1	Toxaphene	200 ng/µL	P-037S-2
	2 ng/µL	P-037S-2			



# Triazines

Potential human health hazards resulting from the use of atrazine and other triazine herbicides is of concern for analyzing these compounds. Triazine herbicides are one of the most used agricultural chemicals in the United States, and are used to control broadleaf weeds primarily for corn and soybeans.

A number of studies have shown that atrazine is an endocrine disruptor, causing damage to reproductive systems in frogs, fish and other wildlife. Potential health hazards to people and a negative environmental impact led to the banning of atrazine in the European Union (EU) in 2005.

## SOLVENT KEY

<b>A</b>	Acetone
<b>ACN</b>	Acetonitrile
<b>H</b>	Hexane
<b>MC</b>	Methyl cellosolve
<b>PC</b>	Phosphoric acid

## Triazines and Metabolites

Compound	CAS	NEAT Cat. No.	Unit	SOLUTION Cat. No.	100 µg/mL Solvent	Unit
Ametryn	834-12-8	P-003N	10 mg	P-003S	MeOH	1 mL
Ammeline (Atrazine-desethyl-desisopropyl-2-hydroxy)	645-92-1	Contact our technical department				
Anilazine	101-05-3	P-287N	10 mg	P-287S-H	H:A (80:20)	1 mL
Atraton (Atrazine-methoxy)	1610-17-9	P-189N	10 mg	P-189S	MeOH	1 mL
Atrazine	1912-24-9	P-005N	10 mg	P-005S	MeOH	1 mL
Atrazine desethyl	6190-65-4	P-343N	10 mg	P-343S	MeOH	1 mL
Atrazine-desethyl-2-hydroxy	19988-24-0	-----	----	P-544S	MeOH:PC (99:01)	1 mL
Atrazine-desethyl-desisopropyl	3397-62-4	P-428N	10 mg	-----	----	----
Atrazine-desisopropyl	1007-28-9	P-345N	10 mg	P-345S	MeOH	1 mL
Atrazine-desisopropyl-2-hydroxy	7313-54-4	P-344N	10 mg	P-334S	MeOH:PC (99:01)	1 mL
2-Chloro-4-ethylamino-6-methylethylamino-s-triazine	3084-92-2	P-539N	10 mg	P-539S-MC	MC	1 mL
2-Chloro-4-ethylamino-6-propylamino-s-triazine	90952-64-0	P-537N	10 mg	P-537S-MC	MC	1 mL
2-Chloro-4-methylamino-6-sec-butylamino-s-triazine	33692-99-8	P-540N	10 mg	P-540S-MC	MC	1 mL
2-Chloro-4-methylamino-6-diethylamino-s-triazine	83807-82-3	P-541N	10 mg	P-541S-MC	MC	1 mL
2,3-Diuron (3-(2,3-Dichlorophenyl)-1,1-dimethylurea)	10290-37-6	P-632N	10 mg	P-632S	MeOH	1 mL
Cyanazine	21725-46-2	P-175N	10 mg	P-175S	MeOH	1 mL
Cybutryne	28159-98-0	P-746N	10 mg	P-746S	MeOH	1 mL
Cyprazine	22936-86-3	P-420N	10 mg	P-420S	MeOH	1 mL
Cyromazine	66215-27-8	P-296N	10 mg	P-296S	MeOH	1 mL
Desmetryn	1014-69-3	P-566N	10 mg	P-566S	MeOH	1 mL
2,4-Dichloro-6-ethylamino-1,3,5-triazine	3440-19-5	P-538N	10 mg	P-538S-CN	ACN	1 mL
Dimethametryn	22936-75-0	P-643N	10 mg	P-643S	MeOH	1 mL
Dipropetryn	4147-51-7	P-580N	10 mg	P-580S	MeOH	1 mL
2,4-bis(Ethylamino)-6-diethylamino-s-triazine		P-536N	10 mg	P-536S-MC	MC	1 mL
2-Hydroxyatrazine (Atrazine-2-hydroxy)	2163-68-0	-----	----	P-326S-R1	MeOH:PC (99:01)	1 mL
Imazethapyr	81335-77-5	-----	----	P-285S-CN	ACN	1 mL
Indaziflam	950782-86-2	-----	----	P-1168S-CN	ACN	1 mL
2-Isopropylamino-4,6-dichloro-s-triazine	3703-10-4	P-635N	10 mg	P-635S	MeOH	1 mL
Methoprotryne	841-06-5	P-564N	10 mg	P-564S	MeOH	1 mL
2-Monuron		P-633N	10 mg	P-633S	MeOH	1 mL
Prometon	1610-18-0	P-077N	10 mg	P-077S	MeOH	1 mL
Prometryne	7287-19-6	P-078N	10 mg	P-078S	MeOH	1 mL
Propazine	139-40-2	P-079N	10 mg	P-079S	MeOH	1 mL
Sebuthylazin	7286-69-3	P-432N	10 mg	P-432S	MeOH	1 mL
Secbumeton	26259-45-0	P-165N	10 mg	P-165S	MeOH	1 mL
Simazine	122-34-9	P-085N	10 mg	P-085S	MeOH	1 mL
Simazine-2-hydroxy	2599-11-3	-----	----	P-1191S	MeOH	1 mL
Simeton	673-04-1	P-501N	10 mg	P-501S	MeOH	1 mL
Simetryn	1014-70-6	P-166N	10 mg	P-166S	MeOH	1 mL
Terbumeton	33693-04-8	P-504N	10 mg	P-504S	MeOH	1 mL
Terbuthylazine	5915-41-3	P-169N	10 mg	P-169S	MeOH	1 mL
Terbuthylazine desethyl	30125-63-4	P-613N	10 mg	P-613S	MeOH	1 mL
Trietazine	1912-26-1	P-492N	10 mg	P-492S	MeOH	1 mL
Trietazine-desethyl	38902-68-0	Contact our technical department				





# Pesticides-Herbicides Miscellaneous Mixes & Kits

Convenient concentrations in Isooctane for use with different GC detectors. The concentrated solutions are suited for FID & TC detectors. The diluted solutions are suited for EC detectors.

## Pesticide Mix for Evaluating GC Columns

<b>M-100</b>			<b>1 x 1 mL</b>
At stated conc. ( $\mu\text{g/mL}$ ) in Isooctane			13 comps.
Aldrin	0.050	p,p'-DDT	0.260
$\alpha$ -BHC	0.025	Dieldrin	0.120
$\beta$ -BHC	0.100	Endrin	0.200
o,p'-DDD	0.200	Heptachlor	0.025
p,p'-DDD	0.190	Heptachlor epoxide (Isomer B)	0.080
p,p'-DDE	0.100	Lindane ( $\gamma$ -BHC)	0.025
o,p'-DDT	0.225		

## Herbicide Mix #1

**M-HERB-1** 1 x 1 mL  
0.1 mg/mL each in EtOAc 13 comps.

Atrazine	Oxyfluorfen
Bromacil	Sencor
Cycloate	Sutan
Eptam	Terbacil
Isopropalin	Tillam
Hexazinone	Trifluralin
Molinate	

## Herbicide Mix #2

**M-HERB-2** 1 x 1 mL  
0.1 mg/mL each in EtOAc 9 comps.

Benfluralin	Prowl
Metolachlor	Simazine
Oxadiazon	Tolban
Propachlor	Vernam
Propazine	

## Herbicide Kit

**Z-031-SET** 15 x 1 mL  
0.1 mg/mL each in MeOH, \* in Acetone

Atrazine	Prometryne
Dicamba	Prometon
Benfluralin	Propanil
Bentazon *	Propazine
Dacthal	Simazine
Dichlobenil	Tebuthiuron
Diuron	Trifluralin
Metolachlor	

## Phenylurea Pesticide Mix

**PES-PU-001** 1 x 1 mL  
**PES-PU-001-PAK** **SAVE** 5 x 1 mL  
200  $\mu\text{g/mL}$  each in ACN:Acetone (50:50) 8 comps.

Diffubenzuron	Propanil
Diuron	Siduron
Fluometuron	Tebuthiuron
Linuron	Thidiazuron

## Phenylurea Surrogate Mix

**PES-PU-SS** 1 x 1 mL  
**PES-PU-SS-PAK** **SAVE** 5 x 1 mL  
500  $\mu\text{g/mL}$  each in MeOH:ACN (50:50) 2 comps.

Carbazole	Monuron
-----------	---------

### Custom Formulations

Custom Standards are an efficient way to meet your unique testing requirements if none of our catalog products meet your specific needs. With decades of expertise in formulating chemical reference standards, our chemists are able to design products that are uniquely manufactured to help you meet your testing requirements. Custom standards are formulated and prepared following our rigorous ISO 17034 and ISO 17025 accredited quality procedures. Our technical Service team is available to provide support to ensure the product will be the best fit for your needs.

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Visit our website for the latest pesticide updates  
<https://www.accustandard.com/pesticide-standards>

#### Custom Formulations

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**ISO 17034 • 17025 • 9001**

# Cannabis Standards

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## ASTM D8399 Pesticides in Cannabis

### ASTM D8399 Pesticides in Cannabis

**D-8399-SET** 4 x 1 mL  
D-8399-01, D-8399-02, D-8399-03, D-8399-04

### D8399 Pesticides in Cannabis

#### Mix 1

**D-8399-01** 1 mL  
100 µg/mL each in Acetonitrile 12 comps.

Abamectin	Imazalil	Permethrin
Azoxystrobin	Imidacloprid	Spinosad
Bifenazate	Malathion	Spirotetramat
Etoazole	Myclobutanil	Tebuconazol

### D8399 Pesticides in Cannabis

#### Mix 2

**D-8399-02** 1 mL  
100 µg/mL each in Acetonitrile 19 comps.

Acetamiprid	Fonicamid	Oxamyl
Boscalid	Fludioxonil	Propiconazole
Carbaryl	Hexythiazox	Pyridaben
Chlorantraniliprole	Kresoxim-methyl	Spinetoram
Clofentezine	Metalaxyl	Thiamethoxam
Dimethomorph	Methomyl	Trifloxystrobin
Fenpyroximate		

### D8399 Pesticides in Cannabis

#### Mix 3

**D-8399-03** 1 mL  
100 µg/mL each in Acetonitrile 26 comps.

Aldicarb	Methiocarb	Bifenthrin
Carbofuran	Paclobutrazol	Diazinon
Chlorpyrifos	Propoxur	Dodemorph acetate
Daminozide	Spiroxamine	Naled
Dimethoate	Thiacloprid	Imidan
Ethoprop	Acephate	Piperonyl butoxide
Etofenprox	Acequinocyl	Prallethrin
Fenoxycarb	Azadirachtin	Pyrethrins
Fipronil	Benzovindiflupyr	

### D8399 Pesticides in Cannabis

#### Mix 4

**D-8399-04** 1 mL  
100 µg/mL in Acetonitrile 26 comps.

Allethrin	Fensulfothion	Pirimicarb
Buprofezin	Fenthion	Pyraclostrobin
Clothianidin	Fenvalerate	Resmethrin
Coumaphos	Fluopyram	Tebuconazole
Cyantraniliprole	Iprodione	Teflubenzuron
Cyprodinil	Methoprene	Tetrachlorvinphos Z
Deltamethrin	Mevinphos	Tetramethrin
Dichlorvos	Novaluron	Thiophanate-methyl
Dinotefuran	Sumithrin	

## ASTM Pesticides in Dried Cannabis

### Pesticides in Dried Cannabis Standard

**ASTM-CP-PEST** 1 mL  
100 µg/mL each in Acetonitrile 17 comps.

Chlorfenapyr	Endosulfan II	Kinoprene
Chlorpyrifos (Dursban)	Endosulfan sulfate	MGK-264
Cyfluthrin	Etofenprox	Parathion-methyl
Cypermethrin	Terrazole	Permethrin
Diazinon	Fenthion	Pentachloronitrobenzene
Endosulfan I	Fenvalerate	

## California Cannabis Residual Pesticides

### California Category I Residual Pesticide Mix 1

**CP-CA-01** 1 mL  
100 µg/mL each in Acetonitrile 20 comps.

Daminozide	Dimethoate	Methiocarb
Aldicarb	Chlorpyrifos	Mevinphos
Propoxur	Ethoprop	Paclobutrazol
Carbofuran	Etofenprox	Parathion-methyl
Chlorfenapyr	Fenoxycarb	Spiroxamine
Coumaphos	Fipronil	Thiacloprid
Dichlorvos	Imazalil	

### California Category II Residual Pesticide (Chlordane tech)

**CP-CA-02** 1 mL  
100 µg/mL in Methanol  
Chlordane (tech)

### California Category III Residual Pesticide Mix 3

**CP-CA-03** 1 mL  
100 µg/mL each in Acetonitrile 29 comps.

Acetamiprid	Fenpyroximate	Oxamyl
Azoxystrobin	Fonicamid	Pyridaben
Bifenazate	Fludioxonil	Spinetoram
Boscalid	Etoazole	Spinosad
Captan	Hexythiazox	Spirotetramat
Carbaryl	Imidacloprid	Tebuconazol
Chlorantraniliprole	Kresoxim-methyl	Thiamethoxam
Clofentezine	Metalaxyl	Propiconazole
Dimethomorph	Methomyl	Trifloxystrobin
Fenhexamid	Myclobutanil	

### California Category IV Residual Pesticide Mix 4

**CP-CA-04** 1 mL  
100 µg/mL each in Acetonitrile 16 comps.

Abamectin	Diazinon	Permethrin
Acequinocyl	Imidan	Piperonyl butoxide
Acephate	Malathion	Prallethrin
Bifenthrin	Naled	Pyrethrins
Cyfluthrin	Pentachloro-	Spiromesifen
Cypermethrin	nitrobenzene	



# Cannabis Standards

## Colorado Cannabis Residual Pesticides

### Colorado Residual Pesticide Set

**CP-CO-SET** 5 x 1 mL  
CP-CO-01-R1, CP-CO-02, CP-CO-03, CP-CO-04, P-960S-CN

### Colorado Cannabis Residual Pesticide Mix 1

**CP-CO-01-R1** 1 mL  
100 µg/mL each in Acetonitrile 12 comps.

Abamectin	Imazalil	Permethrin
Azoxystrobin	Imidacloprid	Spinosad
Bifenazate	Malathion	Spirotetramat
Etoazole	Myclobutanil	Tebuconazole

### Colorado Cannabis Residual Pesticide Mix 2

**CP-CO-02** 1 mL  
100 µg/mL each in Acetonitrile 36 comps.

Allethrin	Endosulfan II	Phenothrin
Benzovindiflupyr	Endosulfan sulfate	Pirimicarb
Buprofezin	Etridiazole	Pyraclostrobin
Clothianidin	Fensulfothion	Quintozene
Coumaphos	Fenthion	Resmethrin
Cyantraniliprole	Fenvalerate	Spinetoram
Cyprodinil	Fluopyram	Spirodiclofen
Deltamethrin	Iprodione	Tebufenozide
Dimethomorph	Kinoprene	Teflubenzuron
Dinotefuran	Methoprene	Tetrachlorvinphos
Dodemorph	Mevinphos	Tetramethrin
Endosulfan I	Novaluron	Thiophanate-methyl

### Colorado Cannabis Residual Pesticide Mix 3

**CP-CO-03** 1 mL  
100 µg/mL each in Acetonitrile 26 comps.

Chlorpyrifos (Dursban)	Daminozide (Alar)	Paclobotrazol
Dimethoate	Diazinon	Parathion-methyl
Acephate	Ethoprop	Imidan
Acequinocyl	Etofenprox	Prallethrin
Aldicarb	Fenoxycarb	Propoxur (Baygon)
Carbofuran	Fipronil	Spiroxamine
Chlorfenapyr	Methiocarb	Thiacloprid
Cyfluthrin	MGK-264	Bifenthrin
Cypermethrin	Naled	

### Colorado Cannabis Residual Pesticide Mix 4

**CP-CO-04** 1 mL  
100 µg/mL each in Acetonitrile 24 comps.

Boscalid	Acetamidrid	Hexythiazox
Carbaryl	Atrazine	Kresoxim-methyl
L-Cyhalothrin	Chlorantraniliprole	Methomyl
Diuron (Karmex)	Clofentezine	Oxamyl
Metalaxyl	Fenhexamid	Pyridaben
Pyriproxyfen	Fenpyroximate	Trifloxystrobin
Thiabendazole	Fonicamid	Propiconazole
Thiamethoxam	Fludioxonil	Dichlorvos

### Spiromesifen

**P-960S-CN** 100 µg/mL each in Acetonitrile

## Colorado Cannabis Residual Solvents

### Colorado Residual Solvents Mix 1

**CP-CO-RS-01** 1 mL  
2000 µg/mL each in DMA 14 comp

Acetone	Benzene	p-Xylene
Ethanol	Toluene	m-Xylene
n-Heptane	n-Pentane	Methyl alcohol
2-Methylhexane	n-Hexane	Ethyl acetate
Isopropanol	o-Xylene	

## Connecticut Cannabis Pesticide Testing

### Connecticut Cannabis Pesticide Testing Standard

**CP-CT-PEST-01-R1** 1 mL  
100 µg/mL each in Acetonitrile 13 comps.

Abamectin	Etoazole	Paclobotrazol
Acequinocyl	Imazalil	Pyrethrin
Bifenazate	Imidacloprid	Spinosad
Bifenthrin	Myclobutanil	Spirotetramat
Cyfluthrin		

## Florida Cannabis Pesticides

### Florida Cannabis Pesticide Mix 1

**CP-FL-01** 1 mL  
100 µg/mL each in Acetonitrile 29 comps.

Azoxystrobin	Fenhexamid	Myclobutanil
Bifenazate	Fenpyroximate	Oxamyl
Boscalid	Fonicamid	Propiconazole
Captan	Fludioxonil	Pyridaben
Carbaryl	Hexythiazox	Spinosad
Chlorantraniliprole	Imidacloprid	Spirotetramat
Chloromequat chloride	Kresoxim-methyl	Tebuconazole
Clofentezine	Metalaxyl	Thiamethoxam
Dimethomorph	Methomyl	Trifloxystrobin
Etoazole		

### Florida Cannabis Pesticide Mix 2

**CP-FL-02** 1 mL  
100 µg/mL each in Acetonitrile 20 comps.

Daminozide	Dichlorvos	Methiocarb
Aldicarb	Dimethoate	Mevinphos
Propoxur	Ethoprop	Paclobotrazol
Carbofuran	Etofenprox	Parathion-methyl
Chlorfenapyr	Fenoxycarb	Spiroxamine
Coumaphos	Fipronil	Thiacloprid
Chlorpyrifos	Imazalil	

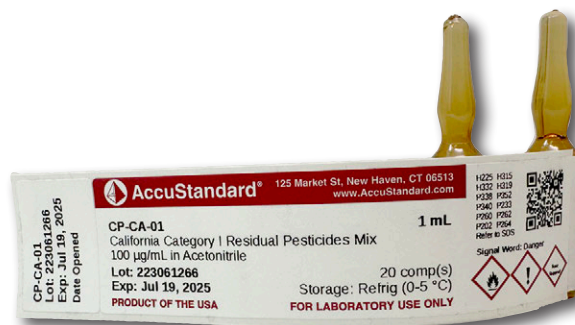
### Florida Cannabis Pesticide

**CP-FL-03** 1 mL  
100 µg/mL in Methanol  
Chlordane (Tech Mix)

### Florida Cannabis Pesticide Mix 4

**CP-FL-04** 1 mL  
100 µg/mL each in Acetonitrile 16 comps.

Abamectin	Diazinon	Permethrin
Acephate	Imidan	Piperonyl butoxide
Acequinocyl	Malathion	Prallethrin
Bifenthrin	Naled	Pyrethrin
Cyfluthrin	Pentachloronitrobenzene	Spiromesifen
Cypermethrin		



# Cannabis Standards

## Maryland Cannabis Residual Pesticides

### Maryland Cannabis Residual Pesticide Set

CP-MD-SET

3 x 1 mL

CP-MD-01, CP-MD-02, CP-MD-03

### Maryland Cannabis Residual Pesticide Mix 1

CP-MD-01

1 mL

100 µg/mL each in Acetonitrile

29 comps.

Acetamiprid	Clofentezine	Methomyl
Daminozide	Etoxazole	Myclobutanil
Aldicarb	(E)-Fenpyroximate	Oxamyl
Ancymidol	Fonicamid	Spinosad
Azoxystrobin	Flurprimidol	Spirotetramat
Bifenazate	Hexythiazox	Thiacloprid
Bonzi	Imidacloprid	Thiamethoxam
Boscalid	Kresoxim-methyl	Propiconazole
Carbaryl	Metalaxyl	Trifloxystrobin
Carbofuran	Methiocarb	

### Maryland Cannabis Residual Pesticide Mix 2

CP-MD-02

1 mL

100 µg/mL each in Acetonitrile

7 comps.

Bifenthrin	cis-Permethrin	Piperonyl butoxide
Cyfluthrin	trans-Permethrin	Pyrethrins
Cypermethrin		

### Maryland Cannabis Residual Pesticide Mix 3

CP-MD-03

1 mL

100 µg/mL each in Acetonitrile

8 comps.

Abamectin	Chlorpyrifos	Malathion
Diazinon	Ethephon	Spiromesifen
Dimethoate	Imidan	

## Massachusetts Cannabis Residual Pesticides

### Massachusetts Cannabis Residual Pesticide Mix

CP-MA-01-R1

1 mL

100 µg/mL each in Acetonitrile

8 comps.

Bifenazate	Etoxazole	Myclobutanil
Bifenthrin	Imazalil	Trifloxystrobin
Cyfluthrin	Imidacloprid	



## Michigan Cannabis Residual Pesticides

### Michigan Residual Pesticides Set

CP-MI-R1-SET

4 x 1 mL

CP-MI-01, CP-MI-02, CP-MI-03-R1, P-960S-CN

### Michigan Residual Pesticides Mix 1

CP-MI-01

1 mL

100 µg/mL each in Acetonitrile

20 comps.

Abamectin	Daminozide	Methomyl
Acequinocyl	Fenoxycarb	Oxamyl
Aldicarb	(E)-Fenpyroximate	Propoxur
Carbaryl	Fonicamid	Spinosad
Carbofuran	Hexythiazox	Spirotetramat
Chlorantraniliprole	Imidacloprid	Thiamethoxam
Clofentezine	Methiocarb	

### Michigan Residual Pesticides Mix 2

CP-MI-02

1 mL

100 µg/mL each in Acetonitrile

16 comps.

Acephate	Chlorpyrifos	Permethrin
Bifenthrin	Ethoprop	Phosmet
Cyfluthrin	Etofenprox	Prallethrin
Cypermethrin	Malathion	Pyrethrins
Diazinon	Methyl parathion	
Dimethoate	Naled	

### Michigan Residual Pesticides Mix 3

CP-MI-03-R1

1 mL

100 µg/mL each in Acetonitrile

21 comps.

Pyridaben	Boscalid	Fludioxonil
Myclobutanil	Etoxazole	Chlorfenapyr
Pacllobutrazol	Bifenazate	Fipronil
Dichlorvos	Kresoxim-methyl	MGK-264
Propiconazole	Trifloxystrobin	Thiacloprid
Metalaxyl	Acetamiprid	Tebuconazole
Imazalil	Azoxystrobin	Spiroxamine

### Spiromesifen

P-960S-CN

1 mL

100 µg/mL in Acetonitrile

## Nevada Cannabis Pesticides

### Nevada Cannabis Pesticide Mix 1

CP-NV-PEST-01

1 mL

100 µg/mL each in Acetonitrile

22 comps.

Acequinocyl	Imazalil	Trifloxystrobin
Bifenazate	Myclobutanil	Fludioxonil
Captan	Piperonyl butoxide	Abamectin
Cyfluthrin	Pyrethrins	Daminozide
Dimethomorph	Spinetoram	Bifenthrin
Etoxazole	Spinosad	Cypermethrin
Fonicamid	Thiamethoxam	Quintozene
Imidacloprid		

### Nevada Cannabis Pesticide Mix 2

CP-NV-PEST-02

1 mL

100 µg/mL each in Acetonitrile

3 comps.

Fenhexamid	Spirotetramat	Thiophanate-methyl
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# Cannabis Standards

## New York Cannabis Residual Pesticides

### New York Residual Pesticide Set

CP-NY-R1-SET

7 x 1 mL

CP-NY-01, CP-NY-02, CP-NY-03, CP-NY-04, P-017S-CN, P-1083S-CN, P-1499S-CN

### New York Residual Pesticide Mix 1

CP-NY-01

1 mL

100 µg/mL each in Acetonitrile

29 comps.

Acetamidrid	Etoxazole	Myclobutanil
Azoxystrobin	Fenhexamid	Oxamyl
Bifenazate	Fenpyroximate	Propiconazole
Boscalid	Fonicamid	Pyridaben
Captan	Fludioxonil	Spinosad
Carbaryl	Hexythiazox	Spirotetramat
Chlorantraniliprole	Imidacloprid	Tebuconazol
Chloromequat chloride	Kresoxim-methyl	Thiamethoxam
Clofentezine	Metalaxyl	Trifloxystrobin
Dimethomorph	Methomyl	

### New York Residual Pesticide Mix 2

CP-NY-02

1 mL

100 µg/mL each in Acetonitrile

20 comps.

Daminozide	Dimethoate	Methiocarb
Aldicarb	Chlorpyrifos	Mevinphos
Propoxur	Ethoprop	Paclbutrazol
Carbofuran	Etofenprox	Parathion-methyl
Chlorfenapyr	Fenoxycarb	Spiroxamine
Coumaphos	Fipronil	Thiacloprid
Dichlorvos	Imazalil	

### Azadirachtin

P-1499S-CN

1 mL

100 µg/mL in Acetonitrile

### New York Residual Pesticide Mix 3

CP-NY-03

1 mL

100 µg/mL each in Acetonitrile

16 comps.

Abamectin	Diazinon	Permethrin
Acequinocyl	Imidan	Piperonyl butoxide
Acephate	Malathion	Prallethrin
Bifenthrin	Naled	Pyrethrins
Cyfluthrin	Pentachloro-	Spiromesifen
Cypermethrin	nitrobenzene	

### New York Residual Pesticide Mix 4

CP-NY-04

1 mL

100 µg/mL each in Acetonitrile

2 comps.

MGK-264	3-Indolebuttruc acid
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### Chlordane (Technical Mix)

P-017S-CN

1 mL

100 µg/mL in Acetonitrile

### Spinetoram

P-1083S-CN

1 mL

100 µg/mL in Acetonitrile

## Oklahoma Cannabis Residual Pesticides

### Oklahoma Residual Pesticides Set

CP-OK-SET

2 x 1 mL (CP-OK-01, P-960S-CN)

### Oklahoma Residual Pesticides Set

CP-OK-01

1 mL

100 µg/mL each in Acetonitrile

12 comps.

Abamectin	Imazalil	Permethrin
Azoxystrobin	Imidacloprid	Spinosad
Bifenazate	Malathion	Spirotetramat
Etoxazole	Myclobutanil	Tebuconazol

### Spiromesifen

P-960S-CN

1 mL

100 µg/mL in Acetonitrile

## Oregon Cannabis Residual Pesticides

### Oregon Cannabis Residual Pesticide Set

CP-ORE-R1-SET

4 x 1 mL

CP-ORE-01, CP-ORE-02, CP-ORE-03-R1, P-960S-CN

### Oregon Cannabis Residual Pesticide Mix 1

CP-ORE-01

1 mL

100 µg/mL each in Acetonitrile

20 comps.

Abamectin	Daminozide	Methomyl
Acequinocyl	(E)-Fenpyroximate	Oxamyl
Aldicarb	Fenoxycarb	Propoxur
Carbaryl	Fonicamid	Spinosad
Carbofuran	Hexythiazox	Spirotetramat
Chlorantraniliprole	Imidacloprid	Thiamethoxam
Clofentezine	Methiocarb	

### Oregon Cannabis Residual Pesticide Mix 2

CP-ORE-02

1 mL

100 µg/mL each in Acetonitrile

16 comps.

Acephate	Chlorpyrifos	Naled
Bifenthrin	Ethoprop	Permethrin
Cyfluthrin	Etofenprox	Phosmet
Cypermethrin	Malathion	Prallethrin
Diazinon	Methyl parathion	Pyrethrins
Dimethoate		

### Oregon Cannabis Residual Pesticide Mix 3

CP-ORE-03-R1

1 mL

100 µg/mL each in Acetonitrile

22 comps.

Acetamidrid	Fludioxonil	Piperonyl butoxide
Azoxystrobin	Imazalil	Propiconazole
Bifenazate	Kresoxim-methyl	Pyridaben
Boscalid	Metalaxyl	Spiroxamine
Chlorfenapyr	MGK-264	Tebuconazol
Dichlorvos	Myclobutanil	Thiacloprid
Etoxazole	Paclbutrazol	Trifloxystrobin
Fipronil		

### Spiromesifen

P-960S-CN

1 mL

100 µg/mL in Acetonitrile



# Cannabis Standards

## Pennsylvania Cannabis Pesticides

### Pennsylvania Cannabis Pesticide Mix 1

CP-PA-01-R1

100 µg/mL each in Acetonitrile

1 mL

32 comps.

Abamectin	Dichlorvos	MGK-264
Acephate	Diazinon	Naled
Acequinocyl	Dimethoate	Paclbutrazol
Aldicarb	Ethoprop	Permethrin
Bifenthrin	Etofenprox	Imidan
Carbofuran	Fenoxycarb	Piperonyl butoxide
Chlorfenapyr	Fipronil	Prallethrin
Chlorpyrifos	Imazalil	Propoxur
Cyfluthrin	Malathion	Spiroxamine
Cypermethrin	Methiocarb	Thiacloprid
Daminozide	Parathion-methyl	

### Pennsylvania Cannabis Pesticide Mix 2

CP-PA-02

100 µg/mL each in Acetonitrile

1 mL

29 comps.

Acetamidrid	Fenpyroximate	Oxamyl
Azoxystrobin	Fonicamid	Pyridaben
Bifenazate	Fludioxonil	Spinetoram
Boscalid	Etoxazole	Spinosad
Captan	Hexythiazox	Spirotetramat
Carbaryl	Imidacloprid	Tebuconazole
Chlorantraniliprole	Kresoxim-methyl	Thiamethoxam
Clofentezine	Metalaxyl	Propiconazole
Dimethomorph	Methomyl	Trifloxystrobin
Fenhexamid	Myclobutanil	



## Canada Cannabis Pesticides

### Canada Cannabis Pesticide Set

CP-CAN-R3-SET

CP-CAN-01-R1, CP-CAN-02, CP-CAN-03-R1, CP-CAN-04, P-711S-CN, P-960S-CN

6 x 1 mL

### Canada Cannabis Pesticide Mix 1

CP-CAN-01-R1

100 µg/mL each in Acetonitrile

1 mL

36 comps.

Allethrin	Endosulfan II	Phenothrin
Benzovindiflupyr	Endosulfan sulfate	Pirimicarb
Buprofezin	Etridiazole	Pyraclostrobin
Clothianidin	Fensulfothion	Quintozene
Coumaphos	Fenthion	Resmethrin
Cyantraniliprole	Fenvalerate	Spinetoram
Cyprodinil	Fluopyram	Spirodiclofen
Deltamethrin	Iprodione	Tebufenozide
Dinotefuran	Kinoprene	Teflubenzuron
Dimethomorph	Methoprene	Tetrachlorvinphos
Dodemorph	Mevinphos	Tetramethrin
Endosulfan I	Novaluron	Thiophanate-methyl

### Canada Cannabis Pesticide Mix 2

CP-CAN-02

100 µg/mL each in Acetonitrile

1 mL

20 comps.

Abamectin	Daminozide	Methomyl
Acequinocyl	Fenoxycarb	Oxamyl
Carbaryl	(E)-Fenpyroximate	Propoxur
Carbofuran	Fonicamid	Spinosad
Chlorantraniliprole	Hexythiazox	Spirotetramat
Clofentezine	Imidacloprid	Thiamethoxam
Clofentezine	Methiocarb	

### Canada Cannabis Pesticide Mix 3

CP-CAN-03-R1

100 µg/mL each in Acetonitrile

1 mL

22 comps.

Acetamidrid	Fludioxonil	Piperonyl butoxide
Azoxystrobin	Imazalil	Pyridaben
Bifenazate	Kresoxim-methyl	Spiroxamine
Boscalid	Metalaxyl	Tebuconazole
Chlorfenapyr	MGK-264	Thiacloprid
Dichlorvos	Myclobutanil	Propiconazole
Etoxazole	Paclbutrazol	Trifloxystrobin
Fipronil		

### Canada Cannabis Pesticide Mix 4

CP-CAN-04

100 µg/mL each in Acetonitrile

1 mL

16 comps.

Acephate	Chlorpyrifos	Naled
Bifenthrin	Ethoprop	Permethrin
Cyfluthrin	Etofenprox	Phosmet
Cypermethrin	Malathion	Prallethrin
Diazinon	Methyl parathion	Pyrethrins
Dimethoate		

### Azadirachtin

P-711S-CN

100 µg/mL in Acetonitrile

1 mL

### Spiromesifen

P-960S-CN

100 µg/mL in Acetonitrile

1 mL

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# Contract Laboratory Program - Pesticide Mixtures

## CLP - Pesticide Mixtures

### Pesticide Set

**CLP-018-019-10X-SET** 2 x 1 mL  
CLP-018-10X, CLP-019-10X

**CLP-018-10X** 1 x 1 mL  
**CLP-018-10X-PAK** **SAVE** 5 x 1 mL  
At stated conc. (µg/mL) in Isooctane 11 comps.

Aldrin	1.0	Endosulfan II	2.0
γ-BHC	0.5	Endrin aldehyde	2.5
p,p'-DDT	2.0	Heptachlor	1.0
Dibutylchloredate	5.0	Heptachlor epoxide (Isomer B)	1.0
Dieldrin	1.0	Methoxychlor	10
Endosulfan I	1.0		

**CLP-019-10X** 1 x 1 mL  
**CLP-019-10X-PAK** **SAVE** 5 x 1 mL  
At stated conc. (µg/mL) in Isooctane 12 comps.

Aldrin	1.0	p,p'-DDD	2.0
α-BHC	0.5	p,p'-DDE	1.0
β-BHC	1.0	Dibutylchloredate	5.0
δ-BHC	1.0	Endosulfan sulfate	2.0
α-Chlordane	1.0	Endrin	1.0
γ-Chlordane	1.0	Endrin ketone	2.0

## CLP - Pesticide Surrogates

**CLP-032-R** 1 x 1 mL  
**CLP-032-R-PAK** **SAVE** 5 x 1 mL  
200 µg/mL each in Acetone 2 comps.  
Decachlorobiphenyl Tetrachloro-*m*-xylene

**CLP-034** 1 x 1 mL  
**CLP-034-PAK** **SAVE** 5 x 1 mL  
200 µg/mL each in Acetone 2 comps.  
Dibutylchloredate Tetrachloro-*m*-xylene

**CLP-PES-A** 1 x 1 mL  
**CLP-PES-A-PAK** **SAVE** 5 x 1 mL  
200 µg/mL in Acetone  
**CLP-PES-A-20X** 1 x 1 mL  
4000 µg/mL in Acetone  
Dibutylchloredate

## Pesticide Calibration Mixtures - Statement of Work 2/88 to 8/94

### Working Level Pesticide Standard

At stated conc. (ng/mL) in Isooctane 11 comps.

Compound	Level 1	2	3	4	5
α-BHC	50	200	500	1,500	8,000
γ-BHC	50	200	500	1,500	8,000
p,p'-DDD	100	400	1,000	3,000	16,000
p,p'-DDT	100	400	1,000	3,000	16,000
Decachlorobiphenyl	100	400	1,000	3,000	16,000
Dieldrin	100	400	1,000	3,000	16,000
Endosulfan I	50	200	500	1,500	8,000
Endrin	100	400	1,000	3,000	16,000
Heptachlor	50	200	500	1,500	8,000
Methoxychlor	500	2,000	5,000	15,000	80,000
Tetrachloro- <i>m</i> -xylene	50	200	500	1,500	8,000

<b>Level 1</b>	<b>CLP-023R</b>	<b>1 mL</b>
<b>Level 2</b>	<b>CLP-023R-4X</b>	<b>1 mL</b>
<b>Level 3</b>	<b>CLP-023R-10X</b>	<b>1 mL</b>
<b>Level 4</b>	<b>CLP-023R-30X</b>	<b>1 mL</b>
<b>Level 5</b>	<b>CLP-023R-160X</b>	<b>1 mL</b>

### Level 2 Daily QC (for mid level curves)

**CLP-023R-WL-4X-10ML** 1 x 10 mL  
**CLP-023R-WL-4X-25ML** 1 x 25 mL  
**CLP-023R-WL-4X-100ML** 1 x 100 mL  
At stated conc. (ng/mL) in Isooctane 11 comps.

α-BHC	20	Endosulfan I	20
γ-BHC	20	Endrin	40
p,p'-DDD	40	Heptachlor	20
p,p'-DDT	40	Methoxychlor	200
Decachlorobiphenyl	40	Tetrachloro- <i>m</i> -xylene	20
Dieldrin	40		

### Working Level Pesticide Standard

At stated conc. (ng/mL) in Isooctane 13 comps.

Compound	Level 1	2	3	4	5
Aldrin	50	200	500	1,500	8,000
β-BHC	50	200	500	1,500	8,000
δ-BHC	50	200	500	1,500	8,000
α-Chlordane	50	200	500	1,500	8,000
γ-Chlordane	50	200	500	1,500	8,000
p,p'-DDE	100	400	1,000	3,000	16,000
Decachlorobiphenyl	100	400	1,000	3,000	16,000
Endosulfan II	100	400	1,000	3,000	16,000
Endosulfan sulfate	100	400	1,000	3,000	16,000
Endrin aldehyde	100	400	1,000	3,000	16,000
Endrin ketone	100	400	1,000	3,000	16,000
Heptachlor epoxide (Isomer B)	50	200	500	1,500	8,000
Tetrachloro- <i>m</i> -xylene	50	200	500	1,500	8,000

<b>Level 1</b>	<b>CLP-024R</b>	<b>1 mL</b>
<b>Level 2</b>	<b>CLP-024R-4X</b>	<b>1 mL</b>
<b>Level 3</b>	<b>CLP-024R-10X</b>	<b>1 mL</b>
<b>Level 4</b>	<b>CLP-024R-30X</b>	<b>1 mL</b>
<b>Level 5</b>	<b>CLP-024R-160X</b>	<b>1 mL</b>

### Level 2 Daily QC (for mid level curves)

**CLP-024R-WL-4X-10ML** 1 x 10 mL  
**CLP-024R-WL-4X-25ML** 1 x 25 mL  
**CLP-024R-WL-4X-100ML** 1 x 100 mL  
At stated conc. (ng/mL) in Isooctane 13 comps.

Aldrin	20	Endosulfan II	40
β-BHC	20	Endosulfan sulfate	40
δ-BHC	20	Endrin aldehyde	40
α-Chlordane	20	Endrin ketone	40
γ-Chlordane	20	Heptachlor epoxide (Isomer B)	20
p,p'-DDE	40	Tetrachloro- <i>m</i> -xylene	20
Decachlorobiphenyl	40		

### Pesticide Calibration Sets

**CLP-023R-024R-SET** 2 x 1 mL  
CLP-023R, CLP-024R

**CLP-023R-024R-40X-SET** 2 x 1 mL  
CLP-023R-40X, CLP-024R-40X

**CLP-023R-024R-4X-SET** 2 x 1 mL  
CLP-023R-4X, CLP-024R-4X

**CLP-023R-024R-160X-SET** 2 x 1 mL  
CLP-023R-160X, CLP-024R-160X

# EPA 500 Series - Pesticide Methods

## Method 505 Organohalide Pesticides by Microextraction & GC/ECD

<b>M-505R-2</b>				1 x 1 mL
<b>M-505R-2-PAK</b>			<b>SAVE</b>	5 x 1 mL
At stated conc. (µg/mL) in Methanol				
Alachlor	10	Heptachlor epoxide (Isomer B)		1
Aldrin	1	Hexachlorobenzene		1
Atrazine	250	Hexachlorocyclopentadiene		1
α-Chlordane	1	Lindane		1
γ-Chlordane	1	Methoxychlor		5
Dieldrin	1	cis-Nonachlor		1
Endrin	1	trans-Nonachlor		1
Heptachlor	1	Simazine		250

<b>M-505-ASL</b>				1 x 1 mL
<b>M-505-ASL-PAK</b>			<b>SAVE</b>	5 x 1 mL
At stated conc. (µg/mL) in Acetone				
<b>Alternate Source</b>				
Alachlor	50	Heptachlor		20
Aldrin	20	Heptachlor epoxide (Isomer B)		20
Atrazine	500	Hexachlorobenzene		10
γ-BHC	20	Hexachlorocyclopentadiene		20
Dieldrin	20	Methoxychlor		200
Endrin	20	Simazine		100

## Multi-Component Analytes - Chlordane & Toxaphene

Each at 1000 µg/mL in Hexane			
	<b>SAVE</b>	<b>-PAK (5 x 1 mL)</b>	
Chlordane	P-017S-H-10X	P-017S-H-10X-PAK	
Toxaphene	P-093S-H-10X	P-093S-H-10X-PAK	

## Degradation Standard

<b>P-045S</b>		1 x 1 mL
100 µg/mL in Methanol		
Endrin		

## Method 507 Nitrogen/Phosphorus Pesticides by GC/NPD

### Mix G

<b>M-507G</b>				1 x 1 mL
<b>M-507G-PAK</b>			<b>SAVE</b>	5 x 1 mL
1000 µg/mL each in MtBE				
Benfen		Oxadiazon		Profluralin
Isopropalin		Oxyfluorfen		Trifluralin
Pendimethalin		Propachlor		

## Performance Check Solution

<b>M-507-QC</b>				1 x 1 mL
<b>M-507-QC-PAK</b>			<b>SAVE</b>	5 x 1 mL
At stated conc. (ng/mL) in MtBE				
Atrazine	150	Bromacil	5,000	TPP
DNB	2,500	Prometon	300	Vernolate
				2,500
				50

## Internal Standard

<b>M-507-IS</b>		1 x 1 mL
<b>M-507-IS-PAK</b>		<b>SAVE</b> 5 x 1 mL
0.5 mg/mL in MtBE		
<b>M-507-IS-10X</b>		1 x 1 mL
5.0 mg/mL in MtBE		
Triphenyl phosphate		

## Surrogate Standard

<b>M-507-SS</b>		1 x 1 mL
<b>M-507-SS-PAK</b>		<b>SAVE</b> 5 x 1 mL
0.25 mg/mL in MtBE		
<b>M-507-SS-4X</b>		1 x 1 mL
1.0 mg/mL in MtBE		
1,3-Dimethyl-2-nitrobenzene		

## Mix H

<b>M-507H</b>		1 x 1 mL
<b>M-507H-PAK</b>		<b>SAVE</b> 5 x 1 mL
1.0 mg/mL each in MtBE		
Tribufos (for Merphos quantitation)		

## Method 508 Chlorinated Pesticides by GC/ECD

### Chlorinated Pesticides Mix A

<b>M-508P-A</b>				1 x 1 mL
<b>M-508P-A-PAK</b>			<b>SAVE</b>	5 x 1 mL
1000 µg/mL each in MtBE				
Aldrin	4,4'-DDE	Endrin		
α-BHC	4,4'-DDT	Endrin aldehyde		
β-BHC	Dieldrin	Heptachlor		
δ-BHC	Endosulfan I	Heptachlor epoxide (Isomer B)		
γ-BHC	Endosulfan II	Methoxychlor		
4,4'-DDD	Endosulfan sulfate			

### Chlorinated Pesticides Mix B

<b>M-508P-B-R</b>				1 x 1 mL
<b>M-508P-B-R-PAK</b>			<b>SAVE</b>	5 x 1 mL
1000 µg/mL each in MtBE				
α-Chlordane	Chlorpyrifos	cis-Permethrin		
γ-Chlordane	DCPA	trans-Permethrin		
Chlorobenzilate	Etridiazole	Propachlor		
Chloroneb	Hexachlorobenzene	Trifluralin		
Chlorothalonil				

<b>M-508P-B-R2</b>				1 x 1 mL
<b>M-508P-B-R2-PAK</b>			<b>SAVE</b>	5 x 1 mL
1000 µg/mL each in MtBE				

α-Chlordane	Chlorpyrifos	cis-Permethrin
γ-Chlordane	DCPA	trans-Permethrin
Chlorobenzilate	Etridiazole	Propachlor
Chloroneb	Hexachlorobenzene	Trifluralin
Chlorothalonil	Cyanazine	trans-Nonachlor

## Internal Standard

<b>M-508-IS</b>		1 x 1 mL
<b>M-508-IS-PAK</b>		<b>SAVE</b> 5 x 1 mL
0.1 mg/mL in MtBE		
<b>M-508-IS-10X</b>		1 x 1 mL
1.0 mg/mL in MtBE		
Pentachloronitrobenzene		

## Surrogate Standards

<b>M-508-SS</b>		1 x 1 mL
<b>M-508-SS-PAK</b>		<b>SAVE</b> 5 x 1 mL
0.5 mg/mL in MtBE		
4,4'-Dichlorobiphenyl		

<b>M-508-SS-2</b>		1 x 1 mL
<b>M-508-SS-2-PAK</b>		<b>SAVE</b> 5 x 1 mL
0.5 mg/mL in MtBE		
Decachlorobiphenyl		

## Decomposition Solution

<b>M-508-DS-100X</b>				1 x 1 mL
<b>M-508-DS-100X-PAK</b>			<b>SAVE</b>	5 x 1 mL
At stated conc. (µg/mL) in MtBE				
p,p'-DDT	200	Endrin	100	
				2 comps.

## Performance Check Solution

<b>M-508-QC</b>				1 x 1 mL
<b>M-508-QC-PAK</b>			<b>SAVE</b>	5 x 1 mL
At stated conc. (ng/mL) in MtBE				
δ-BHC	40	Chlorpyrifos		2
Chlorothalonil	50	Dacthal		50
				4 comps.

# EPA 500 Series - Pesticide Methods

## Method 508.1 Chlorinated Pesticides, Herbicides & Organo-Halides by Liquid - Solid Extraction & ECD

### Chlorinated Pesticide Mix #1

M-508.1-X1

M-508.1-X1-PAK

500 µg/mL each in Ethyl acetate

1 x 1 mL

SAVE 5 x 1 mL

19 comps.

Aldrin  
α-BHC  
β-BHC  
δ-BHC  
γ-BHC  
α-Chlordane  
γ-Chlordane  
4,4'-DDD  
4,4'-DDE  
4,4'-DDT

Dieldrin  
Endosulfan I  
Endosulfan II  
Endosulfan sulfate  
Endrin  
Endrin aldehyde  
Heptachlor  
Heptachlor epoxide (Isomer B)  
Methoxychlor

### Decomposition Solution

M-508.1-DS-100X

M-508.1-DS-100X-PAK

100 µg/mL each in Ethyl acetate

1 x 1 mL

SAVE 5 x 1 mL

2 comps.

4,4'-DDT

Endrin

### Internal Standard Solution

M-508.1-IS

M-508.1-IS-PAK

100 µg/mL each in Ethyl acetate

1 x 1 mL

SAVE 5 x 1 mL

Pentachloronitrobenzene

### Chlorinated Pesticide Mix #2

M-508.1-X2

M-508.1-X2-PAK

500 µg/mL each in Ethyl acetate

1 x 1 mL

SAVE 5 x 1 mL

17 comps.

Alachlor  
Atrazine  
Chlorobenzilate  
Chloroneb  
Chlorothalonil  
Cyanazine  
DCPA  
Etridiazole  
Hexachlorobenzene

Hexachlorocyclopentadiene  
Metolachlor  
Metribuzin  
cis-Permethrin  
trans-Permethrin  
Propachlor  
Simazine  
Trifluralin

### Surrogate Standard Solution

M-508.1-SS

M-508.1-SS-PAK

100 µg/mL each in Ethyl acetate

1 x 1 mL

SAVE 5 x 1 mL

4,4'-Dibromobiphenyl

### Performance Check Solution

M-508.1-QC

M-508.1-QC-PAK

At stated conc. (ng/mL) in MtBE

1 x 1 mL

SAVE 5 x 1 mL

4 comps.

δ-BHC 400  
Chlorothalonil 500

Chlorpyrifos 20  
DCPA 500

### Regulated Pesticide Mix (SDWA)

M-508.1-ASL

M-508.1-ASL-PAK

100 µg/mL each in MtBE

1 x 1 mL

SAVE 5 x 1 mL

17 comps.

Alachlor  
Aldrin  
Atrazine  
γ-BHC  
α-Chlordane  
γ-Chlordane

Dieldrin  
Endrin  
Heptachlor  
Heptachlor epoxide (Isomer B)  
Hexachlorobenzene  
Hexachlorocyclopentadiene

Methoxychlor  
Metolachlor  
Metribuzin  
Propachlor  
Simazine



# EPA 500 Series - Pesticide Methods

## Method 515.1 Chlorinated Acids in Water by GC/ECD

### Methyl Derivatives

**M-515-R** 1 x 1 mL  
**M-515-R-PAK** **SAVE** 5 x 1 mL  
 1000 µg/mL each in MtBE 16 comps.

Acifluorfen methyl ester	Methyl 3,5-dichlorobenzoate
Bentazon methyl ester	Dichloroprop methyl ester
Chloramben methyl ester	Dinoseb methyl ester
2,4-D methyl ester	4-Nitroanisole
Dalapon methyl ester	Pentachloroanisole
2,4-DB methyl ester	Picloram methyl ester
DCPA methyl ester	2,4,5-T methyl ester
Dicamba methyl ester	2,4,5-TP methyl ester

### Underivatized Analytes

**M-515A-R2** 1 x 1 mL  
**M-515A-R2-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 16 comps.

Acifluorfen	100	3,5-Dichlorobenzoic acid	100
Bentazon	200	Dichloroprop	300
Chloramben	100	Dinoseb	200
2,4-D	200	4-Nitrophenol	100
Dalapon	1300	Pentachlorophenol	100
2,4-DB	800	Picloram	100
DCPA acid	100	2,4,5-T	100
Dicamba	100	2,4,5-TP	100

### Technical Note

If you require the complete absence of partial esterification, we recommend M-515.4A and M-515.3A products.

### Performance Check Solution

**M-515-QC** 1 x 1 mL  
**M-515-QC-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (ng/mL) in MtBE 3 comps.

Methyl 3,5-dichlorobenzoate	600
Dinoseb methyl ether	4
4-Nitroanisole	1600

### Performance Check Solution with ISTD & SS

**M-515-QC-R** 1 x 1 mL  
**M-515-QC-R-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (ng/mL) in MtBE 5 comps.

4,4'-Dibromooctafluorobiphenyl (Internal Standard)	250
Methyl 3,5-dichlorobenzoate	600
Methyl 2,4-dichlorophenylacetate (Surrogate Standard)	500
Dinoseb methyl ether	4
4-Nitroanisole	1600

### Internal Standard

**M-515-IS** 1 x 1 mL  
**M-515-IS-PAK** **SAVE** 1 x 1 mL  
 0.1 mg/mL in MtBE

4,4'-Dibromooctafluorobiphenyl

### Surrogate Standards

**M-515-SS** 1 x 1 mL  
**M-515-SS-PAK** **SAVE** 5 x 1 mL  
 0.1 mg/mL in MtBE

**M-515-SS-50X** 5 x 1 mL  
 5.0 mg/mL in MtBE

Methyl 2,4-dichlorophenylacetate

**P-244S** 1 x 1 mL  
 0.1 mg/mL in Methanol

2,4-Dichlorophenylacetic acid

## Method 515.2 Chlorinated Acids in Water by GC/ECD

### Methyl Derivatives

**M-515.2-1** 1 x 1 mL  
**M-515.2-1-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 6 comps.

DCPA methyl ester	100	Dinoseb methyl ester	200
Methyl 3,5-dichlorobenzoate	500	Pentachloroanisole	100
Dichloroprop methyl ester	100	2,4,5-T methyl ester	100

**M-515.2-2** 1 x 1 mL  
**M-515.2-2-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 7 comps.

Acifluorfen methyl ester	200	Dicamba methyl ester	300
Bentazon methyl ester	1000	Picloram methyl ester	300
2,4-D methyl ester	100	2,4,5-TP methyl ester	100
2,4-DB methyl ester	1000		

### Underivatized Analytes

**M-515.2A-1** 1 x 1 mL  
**M-515.2A-1-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 6 comps.

DCPA acid	100	Dinoseb	200
3,5-Dichlorobenzoic acid	500	Pentachlorophenol	100
Dichloroprop	100	2,4,5-T	100

**M-515.2A-2** 1 x 1 mL  
**M-515.2A-2-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 7 comps.

Acifluorfen	200	Dicamba	300
Bentazon	1000	Picloram	300
2,4-D	100	2,4,5-TP	100
2,4-DB	1000		

## Method 515.1 & 515.2 Chlorinated Acids in Water by GC/ECD

### Laboratory Performance Check Solution

**M-8150-51-LPC-5ML** 1 x 5 mL  
 At stated conc. (ng/mL) in Isooctane 5 comps.

3,5-Dichlorobenzoic acid	618	DCAA	500
Dinoseb	4	DBOB	250
4-Nitrophenol	1600		

# EPA 500 Series - Pesticide Methods

## Method 515.3 Chlorinated Acids in Drinking Water by ECD

### Underivatized Acids

**M-515.3A** 1 x 1 mL  
**M-515.3A-PAK** SAVE 5 x 1 mL  
At stated conc. ( $\mu\text{g/mL}$ ) in Acetone 17 comps.

Acifluorfen	50	3,5-Dichlorobenzoic acid	50
Bentazon	100	Dichlorprop	100
Chloramben	50	Dinoseb	100
2,4-D	100	4-Nitrophenol	100
Dalapon	100	Pentachlorophenol	10
2,4-DB	100	Picloram	100
DCPA diacid	50	2,4,5-T	25
DCPA monoacid	50	Silvex	25
Dicamba	50		

### Laboratory Performance Check

#### Methyl Derivatives

**M-515.3-LPC** 1 x 1 mL  
**M-515.3-LPC-PAK** SAVE 5 x 1 mL  
At stated conc. ( $\mu\text{g/mL}$ ) in MtBE 4 comps.

2,4-DB methyl ester	25	Chloramben methyl ester	12.5
Dinoseb methyl ether	25	4-Nitroanisole	25

### Independent Check Standard Methyl Derivatives

**M-515.3-ICS** 1 x 1 mL  
**M-515.3-ICS-PAK** SAVE 5 x 1 mL  
At stated conc. ( $\mu\text{g/mL}$ ) in MtBE 16 comps.

Acifluorfen methyl ester	50	Methyl-3,5-Dichlorobenzoate	50
Bentazon methyl ester	100	Dichlorprop methyl ester	100
Chloramben methyl ester	50	Dinoseb methyl ether	100
2,4-D methyl ester	100	4-Nitroanisole	100
Dalapon methyl ester	100	Pentachloroanisole	10
2,4-DB methyl ester	100	Picloram methyl ester	100
Dacthal	100	2,4,5-T methyl ester	25
Dicamba methyl ester	50	Silvex methyl ester	25

### Internal Standard

**M-515-IS** 1 x 1 mL  
**M-515-IS-PAK** SAVE 5 x 1 mL  
0.1 mg/mL in MtBE

4,4'-Dibromooctafluorobiphenyl

## Method 515.4 Chlorinated Acids in Drinking Water by ECD

### Underivatized Acids

**M-515.4A** 1 x 1 mL  
**M-515.4A-PAK** SAVE 5 x 1 mL  
At stated conc. ( $\mu\text{g/mL}$ ) in Acetone 17 comps.

Acifluorfen	50	3,5-Dichlorobenzoic acid	50
Bentazon	100	Dichlorprop	100
Chloramben	50	Dinoseb	100
2,4-D	100	Pentachlorophenol	10
Dalapon	100	Picloram	50
2,4-DB	100	2,4,5-T	25
DCPA diacid	50	Silvex	25
DCPA monoacid	50	Quinclorac	50
Dicamba	50		

### Underivatized Surrogate

**M-8150B-SS** 1 x 1 mL  
**M-8150B-SS-PAK** SAVE 5 x 1 mL  
0.1 mg/mL in Acetone  
2,4-Dichlorophenylacetic acid

### Quality Control Sample Methyl Derivatives

**M-515.4-QCS** 1 x 1 mL  
**M-515.4-QCS-PAK** SAVE 5 x 1 mL  
At stated conc. ( $\mu\text{g/mL}$ ) in MtBE 16 comps.

Acifluorfen methyl ester	50	Methyl-3,5-Dichlorobenzoate	50
Bentazon methyl	100	Dichlorprop methyl ester	100
Chloramben methyl ester	50	Dinoseb methyl ether	100
2,4-D methyl ester	100	Pentachloroanisole	10
Dalapon methyl ester	100	Picloram methyl ester	50
2,4-DB methyl ester	100	2,4,5-T methyl ester	25
Dacthal	100	Silvex methyl ester	25
Dicamba methyl ester	50	Quinclorac methyl ester	50

### Technical Note

M-515.3A and M-515.4A are to be used as procedural standards for the calibration of the method. These standards should be carried through the entire extraction and derivatization procedure associated with the samples.

## Method 525.1 Organic Compounds in Drinking Water by Liquid-Solid Extraction and Capillary GC/MS

### Pesticide Mixtures

**M-525-3** 1 x 1 mL  
**M-525-3-PAK** SAVE 5 x 1 mL  
0.1 mg/mL each in Acetone 12 comps.

**M-525-3-5X** 1 x 1 mL  
**M-525-3-5X-PAK** SAVE 5 x 1 mL  
0.5 mg/mL each in Acetone 12 comps.

Alachlor	Heptachlor
Aldrin	Heptachlor epoxide (Isomer B)
Atrazine	Lindane
$\alpha$ -Chlordane	Methoxychlor
$\gamma$ -Chlordane	Simazine
Endrin	trans-Nonachlor

### Multi-Component / Analyte

**M-525-5** 1 x 1 mL  
**M-525-5-PAK** SAVE 5 x 1 mL  
2.5 mg/mL in Acetone

Toxaphene

# EPA 500 Series - Pesticide Methods

## Method 525.2 (Revision 1.0) Organic Compounds in Drinking Water by Liquid-Solid Extraction and Capillary GC/MS

All 112 analytes (excluding Disulfoton sulfoxide and Disulfoton sulfone which can be found in the Pesticide section) listed in this revision can be found in the mixes below. We realize that many labs will not be analyzing for all of these analytes at one time since it is not practical or necessary in many instances. If all the analytes must be determined, the following multiple calibration mixes are offered to accomplish this task. Several of these mixes are from our current product line and are grouped as nitrogen/phosphorus pesticides, organochlorine pesticides, semi-volatiles, polyaromatics, PCB congeners, and individual multi-component solutions for the Aroclors and Toxaphene. These solutions can be purchased individually or as a complete set for your laboratory's particular needs. Additionally, the required surrogate, internal, and tuning standards are offered below.

### Nitrogen/Phosphorus Pesticides

**M-507A** 1 x 1 mL  
**M-507A-PAK** **SAVE** 5 x 1 mL  
 1000 µg/mL each in MtBE 6 comps.

Ametryn	Disulfoton	Merphos
Cycloate	Fenamiphos	Prometon

**M-507B** 1 x 1 mL  
**M-507B-PAK** **SAVE** 5 x 1 mL  
 1000 µg/mL each in MtBE 9 comps.

Atrazine	Ethoprop	Propazine
Diphenamid	Mevinphos	Terbutryn
EPTC	Prometryne	Triadimefon

**M-507C** 1 x 1 mL  
**M-507C-PAK** **SAVE** 5 x 1 mL  
 1000 µg/mL each in MtBE 9 comps.

Butachlor	Metolachlor	Norflurazon
Carboxin	Metribuzin	Terbufos
Diazinon	MGK-264	Vernolate

**M-507D** 1 x 1 mL  
**M-507D-PAK** **SAVE** 5 x 1 mL  
 1000 µg/mL each in MtBE 10 comps.

Alachlor	Chlorpropham	Pronamide
Atraton	Hexazinone	Stirofos
Bromacil	Molinate	Tricyclazole
Butylate		

**M-507E** 1 x 1 mL  
**M-507E-PAK** **SAVE** 1 x 1 mL  
 1.0 mg/mL each in MtBE 8 comps.

Dichlorvos	Napropamide	Tebuthiuron
Fenarimol	Pebulate ( <i>Tillam</i> )	Terbacil
Fluridone	Simetryn	

**M-507F-R2** 1 x 1 mL  
**M-507F-R2-PAK** 5 x 1 mL  
 1.0 mg/mL each in Acetone 2 comps.

Methyl paraxon	Simazine
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### Auxiliary Standards

#### Internal Standard

**M-525.2-IS** 1 x 1 mL  
**M-525.2-IS-PAK** **SAVE** 5 x 1 mL  
 0.5 mg/mL each in Acetone 3 comps.

Acenaphthene-d <sub>10</sub>	Chrysene-d <sub>12</sub>	Phenanthrene-d <sub>10</sub>
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#### Surrogate Standard

**M-525.2-SS** 1 x 1 mL  
**M-525.2-SS-PAK** **SAVE** 5 x 1 mL  
 0.5 mg/mL each in Acetone 3 comps.

1,3-Dimethyl-2-nitrobenzene	Triphenylphosphate
Perylene-d <sub>12</sub>	

#### Internal/Surrogate Standard

**M-525.2-IS-SS** 1 x 1 mL  
**M-525.2-IS-SS-PAK** **SAVE** 5 x 1 mL  
 0.5 mg/mL each in Acetone 6 comps.

Acenaphthene-d <sub>10</sub>	Perylene-d <sub>12</sub>
Chrysene-d <sub>12</sub>	Phenanthrene-d <sub>10</sub>
1,3-Dimethyl-2-nitrobenzene	Triphenylphosphate

#### Tuning Standard

**M-525.2-TS-A** 1 x 1 mL  
**M-525.2-TS-A-PAK** **SAVE** 5 x 1 mL  
 0.5 mg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 3 comps.

4,4'-DDT	DFTPP	Endrin
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### Technical Note

Endrin & DDT can break down in the injection port at elevated temperatures. Breakdown can be monitored by running the Pesticide Degradation Standard (M-8081-DS). The problem can be alleviated by replacing the dirty injection port liner, or by using a lower injection port temperature.

### Chlorinated Pesticides

#### Mix A

**M-508P-A** 1 x 1 mL  
**M-508P-A-PAK** **SAVE** 5 x 1 mL  
 1.0 mg/mL each in MtBE 17 comps.

Aldrin	4,4'-DDE	Endrin
α-BHC	4,4'-DDT	Endrin aldehyde
β-BHC	Dieldrin	Heptachlor
δ-BHC	Endosulfan I	Heptachlor epoxide (Isomer B)
γ-BHC	Endosulfan II	Methoxychlor
4,4'-DDD	Endosulfan sulfate	

#### Mix B

**M-508P-B-R2** 1 x 1 mL  
**M-508P-B-R2-PAK** **SAVE** 5 x 1 mL  
 1.0 mg/mL each in MtBE 15 comps.

α-Chlordane	Chlorpyrifos	trans-Nonachlor
γ-Chlordane	Cyanazine	cis-Permethrin
Chlorobenzilate	DCPA	trans-Permethrin
Chloroneb	Etridiazole	Propachlor
Chlorothalonil	Hexachlorobenzene	Trifluralin

Certificate will reflect actual cis/trans ratio

# EPA 500 Series - Pesticide Methods

## Method 525.2 (continued) Organic Compounds in Drinking Water by Liquid-Solid Extraction and Capillary GC/MS

These solutions are to be used individually or combined for calibration curve development. The Nitrogen Phosphorous Pesticides typically analyzed by NPD were combined into convenient solutions for possible use in other EPA methods such as 507. The Chlorinated Pesticides typically analyzed by ECD were combined into a convenient solution for use in this method or additional methods such as 505 or 508.1.

### Nitrogen / Phosphorus Pesticide Mixture

M-525.2-NP1-ASL 1 x 1 mL  
 M-525.2-NP1-ASL-PAK **Alternate Source** SAVE 5 x 1 mL  
 100 µg/mL each in Acetone 41 comps.

Alachlor	Ethoprop	Prometryne
Ametryn	Fenarimol	Pronamide
Atraton	Fluridone	Propachlor
Atrazine	Hexazinone	Propazine
Bromacil	Methyl paraoxon	Simetryn
Butachlor	Metolachlor	Tetrachlorvinphos
Butylate	Metribuzin	Tebuthiuron
Chlorpropham	Mevinphos	Terbacil
Chlorpyrifos	MGK-264	Terbutryn
Cycloate	Molinate	Triadimefon
Cyanazine	Napropamide	Tricyclazole
Dichlorvos	Norflurazon	Trifluralin
Diphenamid	Pebulate	Vernolate
EPTC	Prometon	

### Nitrogen / Phosphorus Pesticide Mix Revision

M-525.2-NP1-ASL-R1 1 x 1 mL  
 100 µg/mL each in Acetone **Alternate Source** 40 comps.

Alachlor	Ethoprop	Prometryne
Ametryn	Fenarimol	Pronamide
Atraton	Fluridone	Propachlor
Atrazine	Hexazinone	Propazine
Bromacil	Methyl paraoxon	Simetryn
Butachlor	Metolachlor	Tetrachlorvinphos
Butylate	Mevinphos	Tebuthiuron
Chlorpropham	MGK-264	Terbacil
Chlorpyrifos	Molinate	Terbutryn
Cycloate	Napropamide	Triadimefon
Cyanazine	Norflurazon	Tricyclazole
Dichlorvos	Pebulate	Trifluralin
Diphenamid	Prometon	Vernolate
EPTC		

### Nitrogen / Phosphorus Pesticide Mixture

M-525.2-NP2-ASL 1 x 1 mL  
 M-525.2-NP2-ASL-PAK **Alternate Source** SAVE 5 x 1 mL  
 100 µg/mL each in Acetone 6 comps.

Carboxin	Fenamiphos
Diazinon	Merphos
Disulfoton	Terbufos

### Organochlorine Pesticides

M-525.2-CP-ASL 1 x 1 mL  
 M-525.2-CP-ASL-PAK **Alternate Source** SAVE 5 x 1 mL  
 100 µg/mL each in Acetone 30 comps.

Alachlor	Dacthal	Etridiazole
Aldrin	p,p'-DDD	α-Chlordane
Atrazine	p,p'-DDE	γ-Chlordane
α-BHC	p,p'-DDT	Heptachlor
β-BHC	Dieldrin	Heptachlor epoxide (Isomer B)
δ-BHC	Endosulfan I	Methoxychlor
γ-BHC	Endosulfan II	cis-Permethrin
Chlorobenzilate	Endosulfan sulfate	trans-Permethrin
Chlorothalonil	Endrin	Simazine
Chloroneb	Endrin aldehyde	trans-Nonachlor

## Method 527 Pesticides & Flame Retardants in Drinking Water by SPE & Capillary GC/MS

### Pesticide Mix A

M-527-PEST-A 1 x 1 mL  
 500 µg/mL each in Methanol 11 comps.

Atrazine	Kepone
Bioallethrin, S-cyclopentyl isomer	Norflurazon
Bromacil	Oxychlordane isomer
Esfenvalerate	Prometryne
Fenvalerate	Propazine
Hexazinone	

### Pesticide Mix B

M-527-PEST-B 1 x 1 mL  
 500 µg/mL each in Methanol 12 comps.

Bifenthrin	Nitrofen
Dimethoate	Parathion
Chlorpyrifos	Terbufos sulfone
Fenamiphos	Thiazopyr
Malathion	Thiobencarb
Mirex	Vinclozolin

## Method 531 + 531.1 N-Methyl carbamoyl oximes & N-Methyl carbamates by HPLC

### Method 531 Compounds (HPLC)

Compound	Cat. No.	Compound	Cat. No.
Aldicarb sulfoxide	M-531-01	Propoxur	M-531-07
Aldicarb sulfone	M-531-02	Carbofuran	M-531-08
Oxamyl	M-531-03	Carbaryl	M-531-09
Methomyl	M-531-04	1-Naphthol	M-531-10
3-Hydroxycarbofuran	M-531-05	Methiocarb	M-531-11
Aldicarb	M-531-06		

M-531-SET 11 x 1 mL  
 Each at 0.1 mg/mL in Acetonitrile

M-531M 1 x 1 mL  
 M-531M-PAK **SAVE** 5 x 1 mL  
 0.1 mg/mL each in Acetonitrile 11 comps.

### Performance Check Solution

M-531-QC-R 1 x 1 mL  
 At stated conc. (µg/mL) in Acetonitrile 4 comps.

Aldicarb sulfoxide	100	3-Hydroxycarbofuran	2
BDMC	10	Methiocarb	20

### Internal Standard

M-531-IS 1 x 1 mL  
 0.1 mg/mL in Acetonitrile

4-Bromo-3,5-dimethylphenyl-N-methylcarbamate (BDMC)

### Carbamate Pesticide Mix

M-531-REG-ASL 1 x 1 mL  
 M-531-REG-ASL-PAK **SAVE** 5 x 1 mL  
 100 µg/mL in Methanol 2 comps.

Carbofuran Oxamyl

# EPA 500 Series - Pesticide Methods

## Method 532 Phenylureas by HPLC

### Phenylurea Concentrate Standard

**M-532-CONC1** 1 x 1 mL  
**M-532-CONC1-PAK** SAVE 5 x 1 mL  
 5.0 mg/mL each in Methanol 6 comps.

Diuron	Linuron	Siduron
Fluometuron	Propanil	Tebuthiuron

### Phenylurea Concentrate Standard

**M-532-CONC2** 1 x 1 mL  
**M-532-CONC2-PAK** SAVE 5 x 1 mL  
 5.0 mg/mL each in Acetone 2 comps.

Diflubenazuron	Thidiazuron
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### Phenylurea Primary Dilution Standard

**M-532** 1 x 1 mL  
**M-532-PAK** SAVE 5 x 1 mL  
 100 µg/mL each in Methanol, except Siduron 8 comps.

Diflubenazuron	Linuron	Tebuthiuron
Diuron	Propanil	Thidiazuron
Fluometuron	Siduron (200 µg/mL)	

### Phenylurea Surrogate Standard

**M-532-SS** 1 x 1 mL  
**M-532-SS-PAK** SAVE 5 x 1 mL  
 500 µg/mL each in Methanol 2 comps.

Carbazole	Monuron
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## Method 535 Acetanilide/Acetamide Herbicide Degradates

Ethanesulfonic acid (ESA) and oxanilic acid (OA) degradation products of acetanilide/acetamide herbicides have been found in U.S. ground waters and surface waters. The substitution of the sulfonic acid or the carbonic acid for the chlorine atom greatly increases the water solubility of degradates relative to the parent compound and contributes to the increased potential for leaching into groundwater.

### Method 535 Set

**M-535-SET** 14 x 1 mL

At stated conc. (µg/mL) in Methanol

Acetochlor ESA	50	Metolachlor OA	50
Acetochlor OA	50	Propachlor ESA	20
Alachlor ESA	50	Propachlor OA	20
Alachlor OA	50	Dimethenamid ESA	10
Flufenacet ESA	20	Dimethenamid OA	10
Flufenacet OA	20	Butachlor ESA sodium salt (ISTD)	20
Metolachlor ESA	50	Dimethachlor ESA sodium salt (SS)	20

## Method 547 Glyphosate by HPLC

**M-547** 1 x 1 mL

100 µg/mL in Deionized water

**M-547-10X** 1 x 1 mL

1000 µg/mL in Deionized water

Glyphosate

### Glyphosate Metabolite

**M-547-02** 1 x 1 mL

100 µg/mL in Deionized water

Aminomethyl phosphonic acid (AMPA)

## Method 548 Endothall by GC/ECD

**M-548A** 1 x 1 mL

10 µg/mL in Deionized water

**M-548B** 1 x 1 mL

50 µg/mL in Deionized water

Endothall

### Internal Standard

**M-548-IS** 1 x 1 mL

10 µg/mL in MtBE

Endosulfan I

### Calibration Standard

**M-548-CAL** 1 x 1 mL

100 µg/mL in MtBE

Endothall pentafluorophenyl hydrazine derivative

## Method 548.1 Endothall by GC/MS

**P-183S** 1 x 1 mL

100 µg/mL in Methanol

Endothall

### Internal Standard

**M-548.1-IS** 1 x 1 mL

500 µg/mL in Methanol

Acenaphthene-d<sub>10</sub>

### Methyl Derivative

**M-548.1-ME** 1 x 1 mL

100 µg/mL in Methanol

Endothall dimethyl ester

## Method 549.1/549.2 Diquat & Paraquat Liquid - Solid Extraction & HPLC

**M-549.1** 1 x 1 mL

1000 µg/mL each in Deionized water as non-hydrated species 2 comps.

Diquat dibromide - H<sub>2</sub>O (1.97 mg/mL)

Paraquat dichloride - 4 H<sub>2</sub>O (1.77 mg/mL)

## Method 551 Chlorinated Organic Solvents + Trihalomethanes by GC/ECD

**M-551A** 1 x 1 mL

**M-551A-PAK** SAVE 5 x 1 mL

5.0 mg/mL each in Methanol 10 comps.

Bromodichloromethane	1,2-Dibromoethane
Bromoform	1,2-Dibromo-3-chloropropane
Carbon tetrachloride	Tetrachloroethene
Chlorodibromomethane	1,1,1-Trichloroethane
Chloroform	Trichloroethene

### Disinfection By-products

**M-551B** 1 x 1 mL

5.0 mg/mL each in Acetone 8 comps.

**M-551B-SET** 8 x 1 mL

Each at 5.0 mg/mL in Acetone

Bromochloroacetonitrile	M-551B-1	1 mL
Chloral hydrate	M-551B-2	1 mL
Chloropicrin	M-551B-3	1 mL
Dibromoacetonitrile	M-551B-4	1 mL
Dichloroacetonitrile	M-551B-5	1 mL
1,1-Dichloro-2-propanone	M-551B-6	1 mL
Trichloroacetonitrile	M-551B-7	1 mL
1,1,1-Trichloro-2-propanone	M-551B-8	1 mL

# EPA 500 Series - Pesticide Methods

## Method 551.1A Chlorinated Solvents, Trihalomethanes Disinfection By-products & Halogenated Pesticides/Herbicides in Drinking Water by GC/ECD

### Chlorinated Organic Solvents + Trihalomethanes

**M-551.1A** 1 x 1 mL  
**M-551.1A-PAK** SAVE 5 x 1 mL  
 At stated conc. (µg/mL) in Acetone 12 comps.

Bromodichloromethane	1000	1,2-Dibromoethane	1000
Bromoform	1000	Tetrachloroethene	500
Carbon tetrachloride	500	1,1,1-Trichloroethane	1000
Chloroform	1000	1,1,2-Trichloroethane	10,000
Dibromochloromethane	1000	Trichloroethene	1000
1,2-Dibromo-3-chloropropane	1000	1,2,3-Trichloropropane	10,000

### Disinfection By-products

**M-551.1B** 1 x 1 mL  
**M-551.1B-PAK** SAVE 5 x 1 mL  
 1000 µg/mL each in Acetone 8 comps.

Bromochloroacetonitrile	Dichloroacetonitrile
Chloral hydrate	1,1-Dichloro-2-propanone
Chloropicrin	Trichloroacetonitrile
Dibromoacetonitrile	1,1,1-Trichloro-2-propanone

### Pesticide/Herbicide Mixture

**M-551.1C** 1 x 1 mL  
**M-551.1C-PAK** SAVE 5 x 1 mL  
 At stated conc. (µg/mL) in Acetone 17 comps.

Alachlor	10	Hexachlorobenzene	1
Atrazine	200	Hexachlorocyclopentadiene	1
Bromacil	10	Lindane	1
Cyanazine	30	Methoxychlor	5
Endrin	2	Metolachlor	10
Endrin aldehyde	2	Metribuzin	5
Endrin ketone	2	Simazine	200
Heptachlor	1	Trifluralin	1
Heptachlor epoxide (Isomer B)	1		

## Method 551.1A Auxiliary Standards by ECD

### Laboratory Performance Check Solutions

#### Pentane Extracts

**M-551.1-LPC-P** 1 x 1 mL  
**M-551.1-LPC-P-PAK** SAVE 5 x 1 mL  
 At stated conc. (µg/mL) in Pentane 7 comps.

Alachlor	83	Hexachlorocyclopentadiene	20
Bromacil	83	Lindane	0.2
Bromodichloromethane	30	Trichloroethene	30
Endrin	30		

#### MtBE Extracts

**M-551.1-LPC** 1 x 1 mL  
**M-551.1-LPC-PAK** SAVE 5 x 1 mL  
 At stated conc. (µg/mL) in MtBE 7 comps.

Alachlor	83	Hexachlorocyclopentadiene	20
Bromacil	83	Lindane	0.2
Bromodichloromethane	30	Trichloroethene	30
Endrin	30		

### Internal Standard Solutions

**M-551.1-IS** x 1 mL  
**M-551.1-IS-PAK** SAVE 5 x 1 mL  
 100 µg/mL in Acetone

**M-551.1-IS-100X** 1 x 1 mL  
**M-551.1-IS-100X-PAK** SAVE 5 x 1 mL  
 10 mg/mL in Acetone

p-Bromofluorobenzene

## Method 551.1A Auxiliary Standards by ECD (Cont.)

### Modified Laboratory Performance Check Solutions

#### Pentane Extracts

**M-551.1-MLPC-P** 1 x 1 mL  
**M-551.1-MLPC-P-PAK** SAVE 5 x 1 mL  
 At stated conc. (µg/mL) in Pentane 4 comps.

γ-BHC	0.2	Hexachlorocyclopentadiene	20
Bromodichloromethane	30	Trichloroethene	30

#### MtBE Extracts

**M-551.1-MLPC** 1 x 1 mL  
**M-551.1-MLPC-PAK** SAVE 5 x 1 mL  
 At stated conc. (µg/mL) in MtBE 4 comps.

γ-BHC	0.2	Hexachlorocyclopentadiene	20
Bromodichloromethane	30	Trichloroethene	30

### Surrogate Standard Solutions

**M-551.1-SS** 1 x 1 mL  
**M-551.1-SS-PAK** SAVE 5 x 1 mL  
 10 µg/mL in Acetone

**M-551.1-SS-100X** 1 x 1 mL  
**M-551.1-SS-100X-PAK** SAVE 5 x 1 mL  
 1,000 µg/mL in Acetone

Decafluorobiphenyl

## Method 553 Benzidines & Nitrogen containing Pesticides by L-L or L-S Extraction & RP HPLC/Particle Beam/MS

### Analytes

**M-553 \*** 1 x 1 mL  
 At stated conc. (µg/mL) in ACN:MeOH (50:50) 13 comps.

Benzidine †	250	3,3'-Dimethylbenzidine †	350
Benzoylprop ethyl	350	Diuron	450
Caffeine	300	Linuron	1,300
Carbaryl	1,000	Monuron	400
o-Chlorophenyl thiourea	750	Rotenone	3,200
3,3'-Dichlorobenzidine †	250	Siduron	450
3,3'-Dimethoxybenzidine †	750		

† Subject to oxidation \* ColdPAK required to maintain integrity of product

### Performance Check Solution

**M-553-PC** 1 x 1 mL  
 0.1 mg/mL in Acetonitrile

DFTPPO (Decafluorotriphenylphosphine oxide)

## Method 555 Chlorinated Acids by HPLC

### Mix A

**M-555A** 1 x 1 mL  
 1000 µg/mL each in Acetonitrile 8 comps.

Acifluorfen	2,4-D	Picloram
Bentazon	Dicamba	2,4,5-TP
Chloramben	Dichlorprop	

### Mix B

**M-555B** 1 x 1 mL  
 1000 µg/mL each in Acetonitrile 8 comps.

2,4-DB	MCPA	Pentachlorophenol
3,5-Dichlorobenzoic acid	MCPP	2,4,5-T
Dinoseb	4-Nitrophenol	



# EPA 600 Series - Pesticide Methods

## Method 608 Pesticides and PCBs by GC/ECD

### Pesticide and PCB Set

**M-608-SET** 4 x 1 mL  
M-001H, M-001J, M-001K, M-001L

<b>M-001H</b>				<b>1 x 1 mL</b>	
At stated conc. (mg/mL) in Methanol					
16 comps.					
Aldrin	0.1	4,4'-DDE	0.2	Endrin	0.2
α-BHC	0.1	4,4'-DDT	0.6	Endrin aldehyde	0.6
β-BHC	0.1	Dieldrin	0.2	Heptachlor	0.1
δ-BHC	0.1	Endosulfan I	0.2	Heptachlor epoxide	0.1
γ-BHC	0.1	Endosulfan II	0.2	(Isomer B)	
4,4'-DDD	0.6	Endosulfan sulfate	0.6		

<b>M-001J</b>				<b>1 x 1 mL</b>	
At stated conc. (mg/mL) in Methanol					
2 comps.					
Chlordane (tech)	0.02	Toxaphene	0.20		

<b>M-001K</b>				<b>1 x 1 mL</b>	
0.2 mg/mL each in Methanol					
4 comps.					
Aroclor 1016		Aroclor 1248			
Aroclor 1232		Aroclor 1260			

<b>M-001L</b>				<b>1 x 1 mL</b>	
0.2 mg/mL each in Methanol					
3 comps.					
Aroclor 1221		Aroclor 1254			
Aroclor 1242					

### Performance Check Solution

**M-608-QC \*** 1 x 1 mL  
**M-608-QC-PAK \*** **SAVE** 5 x 1 mL  
At stated conc. (mg/mL) in Methanol 17 comps.

Aldrin	0.02	4,4'-DDE	0.02	Endrin	0.10
α-BHC	0.02	4,4'-DDT	0.10	Endrin aldehyde	0.02
β-BHC	0.02	Dieldrin	0.02	Heptachlor	0.02
δ-BHC	0.02	Endosulfan I	0.02	Heptachlor epoxide	0.02
γ-BHC	0.02	Endosulfan II	0.10	(Isomer B)	
4,4'-DDD	0.10	Endosulfan sulfate	0.10	Methoxychlor	0.02

### Pesticides

**M-608-ASL** **Alternate Source** 1 x 1 mL  
**M-608-ASL-PAK** **SAVE** 5 x 1 mL  
20 µg/mL each in Methanol 16 comps.

Aldrin	γ-BHC	Dieldrin	Endrin
α-BHC	p,p'-DDD	Endosulfan I	Endrin aldehyde
β-BHC	p,p'-DDE	Endosulfan II	Heptachlor
δ-BHC	p,p'-DDT	Endosulfan sulfate	Heptachlor epoxide (Isomer B)

## Method 608.1 & 608.2 Organochlorine Pesticides in Municipal & Industrial Wastewater by GC/ECD

**M-608.1** 1 x 1 mL  
**M-608.1-PAK** **SAVE** 5 x 1 mL  
100 µg/mL each in Isooctane 7 comps.

Chlorobenzilate	Etridiazole
Chloroneb	Pentachloronitrobenzene
Chloropropylate	Propachlor
1,2-Dibromo-3-chloropropane	

**M-608.2** 1 x 1 mL  
**M-608.2-PAK** **SAVE** 5 x 1 mL  
100 µg/mL each in Isooctane 6 comps.

Chlorothalonil	Methoxychlor
DCPA	cis-Permethrin *
Dichloran	trans-Permethrin *

\* Certificate will reflect actual cis/trans ratio

## Method 608.3 Organochlorine Pesticides in Municipal & PCBs by GC/HSD

### Method 608.3 Additional Pesticides Set

**M-608.3-ADD-SET** 12 x 1 mL  
(M-608.3-ADD-01, M-608.3-ADD-02, M-608.3-ADD-03, M-001J  
C-216S-H-10X, C-216S-H-10X, C-221S-H-10X, C-232S-H-10X,  
C-242S-H-10X, C-248S-H-10X, C-254S-H-10X, C-260S-H-10X,  
C-268S-H-10X)

### Method 608.3 Additional Pesticides

**M-608.3-ADD-01** 1 x 1 mL  
100 µg/mL each in Acetone 20 comps.

Atrazine	Cyanazine	Propanil
Benfluralin	Diallate	Propazine
Fenarimol	Ethalfuralin	Simazine
Bromacil	Isopropalin	Terbacil
Bromoxynil octanoate	Metribuzin	Terbutylazine
Captafol	Norflurazon	Trifluralin
Captan	Pendimethalin	

### Method 608.3 Additional Pesticides

**M-608.3-ADD-02** 1 x 1 mL  
100 µg/mL each in Acetone 20 comps.

1,2-Dibromo-3-chloropropane	Mirex
Chlorobenzilate	Nitrofen
Chloroneb	o,p'-DDD
cis-Nonachlor	o,p'-DDE
Dichlone	o,p'-DDT
Endrin ketone	Octachlorostyrene
Hexachlorocyclopentadiene	Oxychlordane Isomer
Dicofol	Perthane
Kepone	Strobane
Methoxychlor	trans-Nonachlor

### Method 608.3 Additional Pesticides

**M-608.3-ADD-03** 1 x 1 mL  
100 µg/mL each in Acetone 17 comps.

2,3,5,6-Tetrachloronitrobenzene	Dacthal
Acephate	Hexachlorobenzene
Alachlor	Isodrin
Dicloran	Metolachlor
Butachlor	Pentachloronitrobenzene
Carbophenothion	Propachlor
Chloropropylate	Terrazole
Chlorothalonil	trans-Permethrin
cis-Permethrin	

### Pesticides

**M-001J** 1 x 1 mL  
At stated conc. in Methanol 2 comps.  
Chlordane (0.02 mg/mL) Toxaphene (0.20 mg/mL)

### Aroclors

Each 1000 µg/mL in Hexane, 1 mL

Aroclor 1016	C-216S-H-10X	Aroclor 1254	C-254S-H-10X
Aroclor 1221	C-221S-H-10X	Aroclor 1260	C-260S-H-10X
Aroclor 1232	C-232S-H-10X	Aroclor 1262	C-262S-H-10X
Aroclor 1242	C-242S-H-10X	Aroclor 1268	C-268S-H-10X
Aroclor 1248	C-248S-H-10X		

Methods 608.3 continued on next page

# EPA 600 Series - Pesticide Methods

## Method 608.3 Organochlorine Pesticides (continued)

### Method 608.3 Organochlorine Chlorine Pesticides

M-608.3		1 x 1 mL	
At stated conc. (mg/mL) in Methanol			
Aldrin	0.1	4,4'-DDT	0.5
a-BHC	0.1	Dieldrin	0.1
b-BHC	0.1	Endosulfan I	0.1
d-BHC	0.1	Endosulfan II	0.5
g-BHC	0.1	Endosulfan sulfate	0.5
a-Chlordane	2.5	Endrin	0.5
g-Chlordane	2.5	Endrin aldehyde	0.1
4,4'-DDD	0.5	Heptachlor	0.1
4,4'-DDE	0.1	Heptachlor epoxide (Isomer B)	0.1

### Method 608.3 Pesticides

M-608.3-ASL		Alternate Source		1 x 1 mL	
20 µg/mL each in Methanol					
Aldrin	g-Chlordane	Endosulfan II			
a-BHC	4,4'-DDD	Endosulfan sulfate			
b-BHC	4,4'-DDE	Endrin			
d-BHC	4,4'-DDT	Endrin aldehyde			
g-BHC	Dieldrin	Heptachlor			
a-Chlordane	Endosulfan I	Heptachlor epoxide (Isomer B)			

## Method 609 Nitroaromatics & Isophorone by GC/ECD/FID

### Method 609 Nitroaromatic and Isophorone Set

M-609-R-SET 2 x 1 mL  
M-609A-R, M-609B-R

M-609A-R 1 x 1 mL  
1.0 mg/mL each in Hexane 2 comps.

Isophorone	Nitrobenzene
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M-609B-R 1 x 1 mL  
1.0 mg/mL each in Hexane 2 comps.

2,4-Dinitrotoluene	2,6-Dinitrotoluene
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### Performance Check Solution

M-609-QC 1 x 1 mL  
At stated conc. (µg/mL) in Acetone 4 comps.

Isophorone	100	2,4-Dinitrotoluene	20
Nitrobenzene	100	2,6-Dinitrotoluene	20

## Method 614 & 614.1 Organophosphorus Pesticides by GC/NPD

M-614 1 x 1 mL  
1000 µg/mL each in Acetone:Hexane (50:50) 8 comps.

Azinphos methyl	Ethion
Demeton (mix of O & S isomers)	Malathion
Diazinon	Parathion
Disulfoton	Parathion methyl

M-614.1 1 x 1 mL  
1000 µg/mL each in Acetone:Hexane (50:50) 4 comps.

Dioxathion	Ethion
EPN	Terbufos

M-614.1-ASL 1 x 1 mL  
At stated conc. (µg/mL) in Hexane Alternate Source 4 comps.

Dioxathion	10	Ethion	100
EPN	200	Terbufos	4

## Method 615 Chlorinated Herbicides

### Chlorinated Herbicides

Compound	Herbicide Acids	Methyl Derivatives	
	0.2 mg/mL in MeOH	0.2 mg/mL in Hexane	
	Cat. No.	Cat. No.	Unit
2,4-D	M-8150S-A-01	M-8150-01	1 mL
2,4-DB	M-8150S-A-02	M-8150-02	1 mL
2,4,5-T	M-8150S-A-03	M-8150-03	1 mL
2,4,5-TP	M-8150S-A-04	M-8150-04	1 mL
Dalapon	M-8150S-A-05	M-8150-05	1 mL
Dicamba	M-8150S-A-06	M-8150-06	1 mL
Dichlorprop	M-8150S-A-07	M-8150-07	1 mL
Dinoseb	M-8150S-A-08	M-8150-08	1 mL
MCPA (2.0 mg/mL)	M-8150S-A-09	M-8150-09	1 mL
MCPP (2.0 mg/mL)	M-8150S-A-10	M-8150-10	1 mL
10 x 1 mL	M-8150A-SET	M-8150-SET	

### Underivatized

M-8150A		1 x 1 mL	
0.1 mg/mL in Methanol, except MCPA and MCPP			
2,4-D	Dichlorprop	MCPP (10 mg/mL)	
Dalapon	Dinoseb	2,4,5-TP	
2,4-DB	MCPA (10 mg/mL)	2,4,5-T	
Dicamba			

### Methyl Derivatives

M-8150		1 x 1 mL	
0.1 mg/mL in Methanol, except MCPA and MCPP			
2,4-D methyl ester	Dinoseb methyl ester		
Dalapon methyl ester	MCPA methyl ester (10 mg/mL)		
2,4-DB methyl ester	MCPP methyl ester (10 mg/mL)		
Dicamba methyl ester	2,4,5-TP methyl ester		
Dichlorprop methyl ester	2,4,5-T methyl ester		

### Method 615 Underivatized Chlorinated Herbicides

M-615A-ASL		1 x 1 mL	
M-615A-ASL-PAK		Alternate Source SAVE 5 x 1 mL	
At stated conc. in Methanol			
2,4-D	100	Dalapon	250
2,4-DB	100	Dicamba	10
2,4,5-T	10	Dichlorprop	100
2,4,5-TP	10	Dinoseb	50
		MCPA	10,000
		MCPP	10,000

### Method 615 Methyl Derivatives of Chlorinated Herbicides

M-615-ASL		1 x 1 mL	
M-615-ASL-PAK		Alternate Source SAVE 5 x 1 mL	
At stated conc. (µg/mL) in Methanol			
2,4-D methyl ester	100	Dicamba methyl ester	10
2,4-DB methyl ester	100	Dichlorprop methyl ester	100
2,4,5-T methyl ester	10	Dinoseb methyl ester	50
2,4,5-TP methyl ester	10	MCPA methyl ester	10,000
Dalapon methyl ester	250	MCPP methyl ester	10,000

M-001H 1 x 1 mL  
At stated conc. (mg/mL) in Methanol 16 comps.

Aldrin	0.1	4,4'-DDE	0.2	Endrin	0.2
α-BHC	0.1	4,4'-DDT	0.6	Endrin aldehyde	0.6
β-BHC	0.1	Dieldrin	0.2	Heptachlor	0.1
δ-BHC	0.1	Endosulfan I	0.2	Heptachlor epoxide	0.1
γ-BHC	0.1	Endosulfan II	0.2	(Isomer B)	
4,4'-DDD	0.6	Endosulfan sulfate	0.6		

# EPA 600 Series - Pesticide Methods

## Method 617 Chlorinated Pesticides & PCBs by GC/ECD

### Mix #1 - Analytes

Z-014C-R2 1 x 1 mL  
 Z-014C-R2-PAK **SAVE** 5 x 1 mL  
 2.0 mg/mL each in Hexane:Toluene (50:50) 18 comps.

Aldrin	4,4'-DDE	Endrin
α-BHC	4,4'-DDT	Endrin ketone
β-BHC	Dieldrin	Endrin aldehyde
γ-BHC	Endosulfan I	Heptachlor
δ-BHC	Endosulfan II	Heptachlor epoxide (Isomer B)
4,4'-DDD	Endosulfan sulfate	Methoxychlor

### Mix #2 - Analytes

M-617-2 1 x 1 mL  
 2.0 mg/mL each in Hexane:Toluene (50:50) 9 comps.

Captan	Dicofol	Pentachloronitrobenzene
Carbophenothion	Isodrin	Perthane
Dichloran	Mirex	Trifluralin

### Chlordane (Tech Mix)

P-017S-20X 1 x 1 mL  
 2.0 mg/mL in Methanol

### Toxaphene

P-093S-40X 1 x 1 mL  
 4.0 mg/mL in Methanol

## Method 618 Volatile Pesticides by GC/ECD

### Volatile Pesticides

M-618 1 x 1 mL  
 20 mg/mL each in Isooctane 2 comps.

Chloropicrin	Ethylene dibromide
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### Internal Standard

M-618-IS 1 x 1 mL  
 20 mg/mL in Isooctane

Bromoform

## Method 619 Triazine Herbicides by GC/NPD

### Triazine Herbicides

M-619-SET 11 x 1 mL  
 Each at 0.1 mg/mL in Methanol

M-619M 1 x 1 mL  
 0.1 mg/mL each in Methanol 11 comps.

Compound	Cat. No.	Unit	Compound	Cat. No.	Unit
Ametryn	M-619-01	1 mL	Secbumeton	M-619-07	1 mL
Atraton	M-619-02	1 mL	Simetryn	M-619-08	1 mL
Atrazine	M-619-03	1 mL	Simazine	M-619-09	1 mL
Prometon	M-619-04	1 mL	Terbutylazine	M-619-10	1 mL
Prometryne	M-619-05	1 mL	Terbutryn	M-619-11	1 mL
Propazine	M-619-06	1 mL			

## Method 622.1 Thiophosphate Pesticides by GC/NPD

### Thiophosphate Pesticides

M-622.1 1 x 1 mL  
 1000 µg/mL each in MtBE 7 comps.

Aspon	Fonophos
Dichlofenthion	Phosmet
Famphur	Thionazin
Fenitrothion	

## Method 622 Organophosphorus Pesticides by GC/NPD

### Organophosphorus Pesticides

M-622-SET 27 x 1 mL  
 Each at 1000 µg/mL in Hexane

Azinphos methyl	M-8140-01	Merphos	M-8140-12
Sulprofos (Bolstar)	M-8140-02	Mevinphos	M-8140-14
Chlorpyrifos	M-8140-03	Monocrotophos	M-8141-04
Coumaphos	M-8140-04	Naled	M-8140-15
Demeton, O & S	M-8140-05	Parathion	M-8141-05
Diazinon	M-8140-06	Methyl parathion	M-8140-13
Dichlorvos	M-8140-07	Phorate	M-8140-16
Dimethoate	M-8141-01	Fenchlorphos (Ronnel)	M-8141-17
Disulfoton	M-8140-08	Stirophos	M-8140-18
EPN	M-8141-02	Sulfotep	M-8141-06
Ethoprop	M-8140-09	TEPP	M-8141-07
Fensulfothion	M-8140-10	Tokuthion	M-8140-19
Fenthion	M-8140-11	Trichloronate	M-8140-20
Malathion	M-8141-03		

## Method 625 Priority Pollutant Standards

### Pesticide Extractables Mixture

M-625P 1 x 1 mL  
 M-625P-PAK **SAVE** 5 x 1 mL  
 20 µg/mL each in Methanol 11 comps.

Aldrin	4,4'-DDE	Endrin aldehyde
β-BHC	4,4'-DDT	Heptachlor
δ-BHC	Dieldrin	Heptachlor epoxide (Isomer B)
4,4'-DDD	Endosulfan sulfate	

### Chlordane and Toxaphene

M-001J 1 x 1 mL  
 M-001J-PAK **SAVE** 5 x 1 mL  
 At stated conc. (mg/mL) in Methanol 2 comps.

Chlordane	0.02	Toxaphene	0.20
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### Pesticides - Mix #1

Z-014C 1 x 1 mL  
 Z-014C-PAK **SAVE** 5 x 1 mL  
 2.0 mg/mL each in Toluene:Hexane (50:50) 16 comps.

Aldrin	4,4'-DDE	Endosulfan sulfate
α-BHC	4,4'-DDT	Endrin
β-BHC	Dieldrin	Endrin aldehyde
γ-BHC	Endosulfan I	Heptachlor
δ-BHC	Endosulfan II	Heptachlor epoxide (Isomer B)
4,4'-DDD		

### Pesticides - Mix #2

Z-014C-R 1 x 1 mL  
 Z-014C-R-PAK **SAVE** 5 x 1 mL  
 2.0 mg/mL each in Toluene:Hexane (50:50) 20 comps.

Aldrin	4,4'-DDD	Endrin
α-BHC	4,4'-DDE	Endrin aldehyde
β-BHC	4,4'-DDT	Endrin ketone
γ-BHC	Dieldrin	Heptachlor
δ-BHC	Endosulfan I	Heptachlor epoxide (Isomer B)
α-Chlordane	Endosulfan II	Methoxychlor
γ-Chlordane	Endosulfan sulfate	

### Pesticides - Mix #3

Z-014C-R2 1 x 1 mL  
 Z-014C-R2-PAK **SAVE** 5 x 1 mL  
 2.0 mg/mL each in Toluene:Hexane (50:50) 18 comps.

Aldrin	4,4'-DDE	Endrin
α-BHC	4,4'-DDT	Endrin aldehyde
β-BHC	Dieldrin	Endrin ketone
γ-BHC	Endosulfan I	Heptachlor
δ-BHC	Endosulfan II	Heptachlor epoxide (Isomer B)
4,4'-DDD	Endosulfan sulfate	Methoxychlor

# EPA 600 Series - Pesticide Methods

## Method 627 Dinitroaniline Pesticides by GC/ECD

### Dinitroaniline Pesticide Mixes

**M-627** 1 x 1 mL  
1000 µg/mL each in Methanol 4 comps.

Ethalfuralin Tolban (Profluralin)  
Isopropalin Trifluralin

**M-627-R** 1 x 1 mL  
1000 µg/mL each in Methanol 5 comps.

Benfluralin Tolban (Profluralin)  
Ethalfuralin Trifluralin  
Isopropalin

## Method 632 Carbamates & Urea Pesticides in Waste Water by HPLC

### Carbamates & Urea Pesticides in Waste Water

**M-632-SET** 21 x 1 mL  
Each at 0.1 mg/mL in Acetonitrile

**M-632M** 1 x 1 mL  
0.1 mg/mL each in Acetonitrile 21 comps.

**M-632M-10X** 1 x 1 mL  
1000 µg/mL each in Acetonitrile 21 comps.

	Cat. No.	Unit		Cat. No.	Unit
Aminocarb	M-632-01	1 mL	Methomyl	M-632-12	1 mL
Barban	M-632-02	1 mL	Mexacarbate	M-632-13	1 mL
Carbaryl	M-632-03	1 mL	Monuron	M-632-14	1 mL
Carbofuran	M-632-04	1 mL	Monuron TCA	M-632-15	1 mL
Chlorpropham	M-632-05	1 mL	Neburon	M-632-16	1 mL
Diuron	M-632-06	1 mL	Oxamyl	M-632-17	1 mL
Fenuron	M-632-07	1 mL	Propham	M-632-18	1 mL
Fenuron TCA	M-632-08	1 mL	Propoxur (Baygon)	M-632-19	1 mL
Fluometuron	M-632-09	1 mL	Siduron	M-632-20	1 mL
Linuron	M-632-10	1 mL	Swep	M-632-21	1 mL
Methiocarb	M-632-11	1 mL			

## Method 632.1 Carbamates & Amides in Waste Water by HPLC

### Carbamates & Amides in Waste Water

**M-632.1-SET** 4 x 1 mL  
Each at 0.1 mg/mL in Acetonitrile

	Cat. No.	Unit		Cat. No.	Unit
Pyrimuron	M-632.1-1	1 mL	Napropamide	M-632.1-3	1 mL
Propanil	M-632.1-2	1 mL	Carbaryl	M-632-03	1 mL

## Method 633 Organonitrogen Pesticides by GC/NPD

### Organonitrogen Pesticides Mix

**M-633** 1 x 1 mL  
0.1 mg/mL each in Methanol 6 comps.

Bromacil Hexazinone Terbacil  
Deet Metribuzin Triadimefon

## Method 634 Thiocarbamate Pesticides by GC/NPD

### Thiocarbamate Pesticides Mix

**M-634** 1 x 1 mL  
1 mg/mL each in Methanol 6 comps.

Butylate EPTC  
Cycloate Molinate  
Pebulate  
Vernolate

### Internal Standard

**M-634-IS** 1 x 1 mL

1 mg/mL in Methanol

Carbazole

## Method 645 Amino Pesticides & Lethane by GC/NPD

### Amino Pesticides Mix

**M-645** 1 x 1 mL  
1.0 mg/mL each in Hexane:Acetone (80:20) 6 comps.

Alachlor Diphenamid Lethane  
Butachlor Fluridone Norflurazon

## HPLC 600's Additional Methods for Pesticides in Waste Water by HPLC

Method	Each at 0.1 mg/mL in ACN	Cat. No.	Unit
604.1	Hexachlorophene & Dichlorophene	M-604.1	1 mL
629	Cyanazine	M-629	1 mL
631	Carbendazim	M-631-R1	1 mL
635	Rotenone	M-635	1 mL
636	Bensulide	M-636	1 mL
638	Oryzalin	M-638	1 mL
639	Bendiocarb	M-639	1 mL
640	Mercaptobenzothiazole	M-640	1 mL
641	Thiabendazole	M-641	1 mL
642	Biphenyl & o-Phenylphenol	M-642	1 mL
643	Bentazon (Basagran)	M-643	1 mL
644	Picloram	M-644	1 mL

## Method 680 Determination of Pesticides & PCBs in Water & Soil/Sediment by GC/MS

### Pesticide Mix

**M-680P** 1 x 1 mL  
**M-680P-PAK** SAVE 5 x 1 mL  
At stated conc. (µg/mL) in Toluene:Hexane (50:50) 22 comps.

Aldrin	1,000	Endosulfan I	2,000
α-BHC	1,000	Endosulfan II	2,000
β-BHC	1,000	Endosulfan sulfate	1,000
γ-BHC	1,000	Endrin	1,000
δ-BHC	1,000	Endrin aldehyde	1,000
α-Chlordane	1,000	Endrin ketone	1,000
γ-Chlordane	1,000	Heptachlor	1,000
4,4'-DDD	1,000	Heptachlor epoxide (Isomer B)	1,000
4,4'-DDE	1,000	Methoxychlor	1,000
4,4'-DDT	1,000	cis-Nonachlor	1,000
Dieldrin	1,000	trans-Nonachlor	1,000

### Pesticide Mid-Level Check

**M-680P-MLC** 1 x 1 mL  
**M-680P-MLC-PAK** SAVE 5 x 1 mL  
At stated conc. (µg/mL) Toluene:Hexane (50:50) 21 comps.

Aldrin	1,000	Endosulfan I	2,000
α-BHC	1,000	Endosulfan II	2,000
β-BHC	1,000	Endosulfan sulfate	1,000
γ-BHC	1,000	Endrin	1,000
δ-BHC	1,000	Endrin ketone	1,000
α-Chlordane	1,000	Heptachlor	1,000
γ-Chlordane	1,000	Heptachlor epoxide (Isomer B)	1,000
4,4'-DDD	1,000	Methoxychlor	1,000
4,4'-DDE	1,000	cis-Nonachlor	1,000
4,4'-DDT	1,000	trans-Nonachlor	1,000
Dieldrin	1,000		

# EPA 1300 Series - Pesticide Methods

## Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)

### Pesticide Spiking Mix

**TCLP-PES** 1 x 1 mL  
**TCLP-PES-PAK** **SAVE** 5 x 1 mL  
 2 mg/mL each in Methanol, except Toxaphene 7 comps.

Chlordane (tech)	Lindane
Endrin	Methoxychlor
Heptachlor	Toxaphene (4.0 mg/mL)
Heptachlor epoxide (Isomer B)	

**Pesticide Spiking Set**  
**TCLP-PES-1-2-SET** 2 x 1 mL  
 CLP-PES-1, TCLP-PES-2

**TCLP-PES-1** 1 x 1 mL  
**TCLP-PES-1-PAK** **SAVE** 5 x 1 mL  
 2 mg/mL each in Methanol 5 comps.

Endrin	Lindane
Heptachlor	Methoxychlor
Heptachlor epoxide (Isomer B)	

**TCLP-PES-2** 1 x 1 mL  
**TCLP-PES-2-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (mg/mL) in Methanol 2 comps.

Chlordane 2	Toxaphene 4
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### Herbicide, PFB Derivative Mix

**TCLP-HERB-PFB** 1 x 1 mL  
 0.1 mg/mL each in MtBE 2 comps.  
 2,4-D-PFB 2,4,5-TP-PFB

### Herbicide, PFB Derivatives

**M-8150-02-PFB** 1 x 1 mL  
 0.1 mg/mL in MtBE  
 2,4-D-PFB

**M-8150-04-PFB** 1 x 1 mL  
 0.1 mg/mL in MtBE  
 2,4,5-TP-PFB

### Herbicide Spiking Mixes

**TCLP-HERB** 1 x 1 mL  
**TCLP-HERB-PAK** **SAVE** 5 x 1 mL  
 2.0 mg/mL each in Methanol 2 comps.  
 2,4-D 2,4,5-TP

**TCLP-HERB-ME** 1 x 1 mL  
**TCLP-HERB-ME-PAK** **SAVE** 5 x 1 mL  
 2.0 mg/mL each in Methanol 2 comps.  
 2,4-D methyl ester 2,4,5-TP methyl ester

### Pesticide Set

**TCLP-PES-1-2-QC-SET** 2 x 1 mL  
 TCLP-PEST-1-QC, TCLP-PEST-2-QC

### Pesticides

**TCLP-PES-1-QC** 1 x 1 mL  
**TCLP-PES-1-QC-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 5 comps.  
 Endrin 0.2 Lindane 4.0  
 Heptachlor 0.4 Methoxychlor 100  
 Heptachlor epoxide (Isomer B) 0.04

**TCLP-PES-2-QC** 1 x 1 mL  
**TCLP-PES-2-QC-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 2 comps.  
 Chlordane 0.3 Toxaphene 5.0

### Herbicides

**TCLP-HERB-ME-QC** 1 x 1 mL  
**TCLP-HERB-ME-QC-PAK** **SAVE** 5 x 1 mL  
 At stated conc. (µg/mL) in Methanol 2 comps.  
 2,4-D methyl ester 106.3 2,4,5-TP methyl ester 10.5

# EPA 1600 Series - Pesticide Methods

## Method 1618 Organo-halide, Organo-phosphorus Pesticides and Phenoxyacid Herbicides by Wide Bore Capillary Column GC

Method 1618 was developed by the Industrial Technology Division (ITD) within the United States Environmental Protection Agency's (US EPA) Office of Water Regulations and Standards (OWRS) to provide improved precision and accuracy of analysis of pollutants in aqueous and solid matrices in order to determine the level of these pollutants in industrial discharges. Method 1618 is used with wide bore GC columns to analyze for organo-halide and organo-phosphorus pesticides, phenoxy-acid herbicides and herbicide esters, polychlorinated biphenyls (PCBs) and other compounds amenable to extraction and analysis by wide bore capillary column gas chromatography with halogen-specific and organo-phosphorus detectors.

The chemical compounds in the AccuStandard mixtures that follow may be determined in waters, soils, sediments and sludges by this method. The method is a consolidation of EPA Methods 608, 608.1, 614, 615, 617, 622 and 701.

### Organochlorine Pesticides - Mix A

<b>M-1618-1</b>			<b>1 x 1 mL</b>
<b>M-1618-1-PAK</b>		<b>SAVE</b>	<b>5 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane			
			14 comps.
Aldrin	100	Endosulfan II	200
Captan	200	Endrin aldehyde	100
Chlorobenzilate	500	Heptachlor	100
Diallate	250	Heptachlor epoxide (Isomer B)	100
p,p'-DDE	200	Lindane	100
p,p'-DDT	20	Methoxychlor	200
Endosulfan I	200	Isodrin	100

### Organochlorine Pesticides - Mix B

<b>M-1618-2</b>			<b>1 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane			
			16 comps.
α-BHC	100	Dichlone	100
β-BHC	100	Dieldrin	100
δ-BHC	100	Endrin	100
α-Chlordane	100	Endosulfan sulfate	100
γ-Chlordane	100	Endrin ketone	100
Carbophenothion	1000	Mirex	100
Captafol	200	PCNB	100
p,p'-DDD	100	Trifluralin	200

### Organophosphate Pesticides - Mix A

<b>M-1618-3</b>			<b>1 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane			
			19 comps.
Azinphos methyl	100	Merphos	200
Coumaphos	5	Methyl parathion	100
Diazinon	100	Malathion	100
Dichlorvos	50	Phorate	100
Dimethoate	100	Fenchlorphos	100
EPN	100	Sulprofos	50
Ethyl parathion	100	Terbufos	100
Ethoprop	100	Tetrachlorvinphos	100
Ethyl azinphos	100	Trichlorofon	100
Fensulfthion	200		

### Organophosphate Pesticides - Mix B

<b>M-1618-4</b>			<b>1 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane			
			16 comps.
Chlorfenvinphos	50	Ethion	100
Chlorpyrifos	50	Famphur	200
Chlorpyrifos methyl	100	Fenthion	100
Crotoxyphos	200	Leptophos	100
Dichlorofenthion	100	Mevinphos	100
Demeton (mixed isomers)	400	Naled	100
Dioxathion	600	Phosmet	200
Disulfoton	100	Sulfotep	50

\* ColdPAK required to maintain integrity of product.

### Phenoxyacid Herbicides

<b>M-8150M</b>			<b>1 x 1 mL</b>
<b>M-8150M-PAK</b>		<b>SAVE</b>	<b>5 x 1 mL</b>
20 µg/mL each in Hexane			
2,4-D methyl ester		Dalapon methyl ester	
2,4-DB methyl ester		Dicamba methyl ester	
2,4,5-T methyl ester		Dichlorprop methyl ester	
2,4,5-TP methyl ester		Dinoseb methyl ester	

<b>M-8150M-2</b>			<b>1 x 1 mL</b>
<b>M-8150M-2-PAK</b>		<b>SAVE</b>	<b>5 x 1 mL</b>
2.0 mg/mL each in Hexane			
MCPA methyl ester		MCPPP methyl ester	

### Surrogate Standards

#### Organochlorine Pesticide

<b>M-1618-SS</b>			<b>1 x 1 mL</b>
<b>M-1618-SS-PAK</b>		<b>SAVE</b>	<b>5 x 1 mL</b>
2 µg/mL in Acetone			
Dibutylchlorendate			

#### Organophosphate Pesticide

<b>M-1618-SP</b>			<b>1 x 1 mL</b>
2 µg/mL each in Acetone			
Tributyl phosphate		Triphenyl phosphate	

<b>M-1618-SP-1-100X</b>			<b>1 x 1 mL</b>
200 µg/mL in Acetone			
Tributyl phosphate			

#### Phenoxyacid Herbicide

<b>M-1618-SA</b>			<b>1 x 1 mL</b>
2 µg/mL in Acetone			
2,4-Dichlorophenylacetic acid			

#### Decomposition Solution

<b>M-1618D *</b>			<b>1 x 1 mL</b>
<b>M-1618D-PAK *</b>		<b>SAVE</b>	<b>5 x 1 mL</b>
At stated conc. (µg/mL) in Acetone			
p,p'-DDT	2 µg/mL	Endrin	1 µg/mL

#### GPC Calibration Solution

<b>M-1618-GP-5ML</b>			<b>1 x 5 mL</b>
At stated conc. (mg/mL) in Acetone			
Corn oil	300	Perylene	0.1
bis(2-Ethylhexyl)phthalate	15	Sulfur	0.5
Pentachlorophenol	1.4		

#### SPE Cartridge Calibration Solution

<b>M-1618-SE</b>			<b>1 x 1 mL</b>
<b>M-1618-SE-PAK</b>		<b>SAVE</b>	<b>5 x 1 mL</b>
0.1 µg/mL in Acetone			
2,4,6-Trichlorophenol			



# EPA 1600 Series - Pesticide Methods

## Method 1656 Organo-Halide Pesticides in Municipal & Industrial Wastewater by HSD

Method 1656 is a consolidation of several EPA wastewater methods used to determine the organo-halide pesticides and polychlorinated biphenyls (PCBs) associated with the Clean Water Act, the Resource Conservation and Recovery Act, and the Comprehensive Environmental Response, Compensation and Liability Act, as well as other compounds amenable to extraction and analysis by wide-bore capillary column GC with a HSD.

### GPC Calibration Solution

#### M-1600-GPC-5ML

At stated conc. (mg/mL) in CH<sub>2</sub>Cl<sub>2</sub>

1 x 5 mL  
5 comps.

Corn oil	300	Perylene	0.1
bis-(2-Ethylhexyl)phthalate	15	Sulfur	0.5
Pentachlorophenol	1.4		

### Solid-phase Extraction Cartridge Calibration Solution

#### M-1600-SPE

0.1 mg/mL in Acetone

1 x 1 mL

2,4,6-Trichlorophenol

### Decomposition Test Solution

#### M-1656-DS

At stated conc. in Isooctane

1 x 1 mL  
2 comps.

4,4'-DDT 2 µg/mL      Endrin 1 µg/mL

### Surrogate Spiking Solutions

#### CLP-PES-A

0.2 mg/mL in Acetone

1 x 1 mL

Dibutylchloroendate

#### CLP-032-R

0.2 mg/mL each in Acetone

1 x 1 mL  
2 comps.

Decachlorobiphenyl

Tetrachloro-*m*-xylene

#### CLP-034

0.2 mg/mL each in Acetone

1 x 1 mL  
2 comps.

Dibutylchloroendate

Tetrachloro-*m*-xylene

#### M-1656-CAL-SET

M-1656-01-CAL-SET, M-1656-02-CAL-SET, M-1656-03-CAL-SET, M-1656-04-CAL-SET, M-1656-05-CAL-SET, M-1656-06-CAL-SET, M-1656-07-CAL-SET

7 x (3 x 1 mL)

### Calibration Group 1

#### M-1656-01-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
14 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Acephate	2,000	10,000	40,000
Alachlor	20	100	400
Atrazine	1,000	5,000	20,000
β-BHC	10	50	200
Bromoxynil octanoate	50	250	1,000
Captafol	200	1,000	4,000
Diallate	200	1,000	4,000
Decachlorobiphenyl	10	50	200
Endosulfan sulfate	10	50	200
Endrin	20	100	400
Isodrin	10	50	200
Pendimethalin	50	250	1,000
Permethrin ( <i>cis</i> & <i>trans</i> )	*200	1,000	4,000
Tetrachloro- <i>m</i> -xylene	5	25	100

\* Certificate will reflect actual *cis/trans* ratio

### Calibration Group 2

#### M-1656-02-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
11 comps.

Components	Low (1X)	Medium (5X)	High (20X)
α-BHC	5	25	100
DCPA	5	25	100
4,4'-DDE	10	50	200
4,4'-DDT	10	50	200
Decachlorobiphenyl	10	50	200
Dichlone	20	100	400
Ethalfuralin	10	50	200
Fenarimol	20	100	400
Methoxychlor	20	100	400
Metribuzin	10	50	200
Tetrachloro- <i>m</i> -xylene	5	25	100

### Calibration Group 3

#### M-1656-03-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
10 comps.

Components	Low (1X)	Medium (5X)	High (20X)
γ-BHC	5	25	100
γ-Chlordane	5	25	100
Decachlorobiphenyl	10	50	200
Endrin ketone	10	50	200
Heptachlor epoxide (Isomer B)	5	25	100
Isopropalin	20	100	400
Nitrofen	20	100	400
PCNB	5	25	100
Tetrachloro- <i>m</i> -xylene	5	25	100
Trifluralin	10	50	200

### Calibration Group 4

#### M-1656-04-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
10 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Benfluralin	20	100	400
Chlorobenzilate	50	250	1,000
Decachlorobiphenyl	10	50	200
Dieldrin	5	25	100
Endosulfan I	10	50	200
Mirex	20	100	400
Terbacil	200	1,000	4,000
Terbutylazine	500	2,500	10,000
Tetrachloro- <i>m</i> -xylene	5	25	100
Triadimefon	100	500	2,000

### Calibration Group 5

#### M-1656-05-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
8 comps.

Components	Low (1X)	Medium (5X)	High (20X)
α-Chlordane	10	50	200
Captan	100	500	2,000
Chlorothalonil	20	100	400
4,4'-DDD	20	100	400
Decachlorobiphenyl	10	50	200
Norflurazon	100	500	2,000
Simazine	800	4,000	16,000
Tetrachloro- <i>m</i> -xylene	5	25	100

### Calibration Group 6

#### M-1656-06-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
9 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Aldrin	20	100	400
δ-BHC	5	25	100
Bromacil	100	500	2,000
Butachlor	50	250	1,000
Decachlorobiphenyl	10	50	200
Endosulfan II	10	50	200
Heptachlor	10	50	200
Kepone	100	500	2,000
Tetrachloro- <i>m</i> -xylene	5	25	100

### Calibration Group 7

#### M-1656-07-CAL-SET

At stated conc. (ng/mL) in Isooctane 3 x 1 mL  
13 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Carbophenothion	80	400	1,600
Chloroneb	300	1,500	6,000
Chloropropylate	200	1,000	4,000
1,2-Dibromo-3-chloropropane	25	125	500
Decachlorobiphenyl	10	50	200
Dicofol	300	1,500	6,000
Endrin aldehyde	80	400	1,600
Etridiazole	80	400	1,600
Perthane	1,000	5,000	20,000
Propachlor	500	2,500	10,000
Propanil	200	1,000	4,000
Propazine	1,000	5,000	20,000
Tetrachloro- <i>m</i> -xylene	5	25	100

# EPA 1600 Series - Pesticide Methods

## Method 1657 Organo-Phosphorus Pesticides in Municipal & Industrial Wastewater by FPD

### GPC Calibration Solution

<b>M-1600-GPC-5ML</b>	<b>1 x 5 mL</b>
At stated conc. (mg/mL) in CH <sub>2</sub> Cl <sub>2</sub>	5 comps.
Corn oil	300
bis(2-Ethylhexyl)phthalate	15
Pentachlorophenol	1.4
Perylene	0.1
Sulfur	0.5

### Solid-phase Extraction Cartridge Calibration Solution

<b>M-1600-SPE</b>	<b>1 x 1 mL</b>
0.1 mg/mL in Acetone	
2,4,6-Trichlorophenol	

### Surrogate Spiking Solution

<b>M-1657-SS</b>	<b>1 x 1 mL</b>
0.2 mg/mL each in Acetone	2 comps.
Tributyl phosphate	
Triphenyl phosphate	

Method 1657 is a consolidation of several EPA wastewater methods used to determine the organo-phosphorus pesticides associated with the Clean Water Act, the Resource and Conservation and Recovery Act, and the Comprehensive Environmental Response, Compensation and Liability Act, as well as other compounds amenable to extraction and analysis by wide-bore capillary column gas chromatography with a flame photometric detector (FPD).

## Method 1657 Calibration Solutions & Suggested Calibration Groups

### Calibration Group 1

<b>M-1657-01-R1-CAL-SET</b>	<b>3 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane	9 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Azinphos methyl	100	500	2,000
Dichlorvos	500	2,500	10,000
Disulfoton	200	1,000	4,000
Fenthion	200	1,000	4,000
Merphos	400	2,000	8,000
Fenchlorphos	200	1,000	4,000
Sulprofos	200	1,000	4,000
Tributyl phosphate	200	1,000	4,000
Triphenyl phosphate	200	1,000	4,000
<b>Low</b>	M-1657-01-R1-1X		<b>1 mL</b>
<b>Medium</b>	M-1657-01-R1-5X		<b>1 mL</b>
<b>High</b>	M-1657-01-R1-20X		<b>1 mL</b>

### Calibration Group 3

<b>M-1657-03-CAL-SET</b>	<b>3 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane	14 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Azinphos ethyl	200	1,000	4,000
Crotoxyphos	500	2,500	10,000
Tribufos	200	1,000	4,000
Fensulfothion	500	2,500	10,000
Chlorpyrifos-methyl	200	1,000	4,000
Mevinphos	500	2,500	10,000
Naled	500	2,500	10,000
Parathion	200	1,000	4,000
Phosmet	500	2,500	10,000
Phosphamidon	100	500	2,000
Sulfotep	200	1,000	4,000
Terbufos	200	1,000	4,000
Tributyl phosphate	200	1,000	4,000
Triphenyl phosphate	200	1,000	4,000
<b>Low</b>	M-1657-03-1X		<b>1 mL</b>
<b>Medium</b>	M-1657-03-5X		<b>1 mL</b>
<b>High</b>	M-1657-03-20X		<b>1 mL</b>

### Calibration Group 4

<b>M-1657-04-CAL-SET</b>	<b>3 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane	11 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Coumaphos	500	2,500	10,000
Diazinon	200	1,000	4,000
EPN	200	1,000	4,000
Ethion	200	1,000	4,000
Ethoprop	200	1,000	4,000
Malathion	200	1,000	4,000
Phorate	200	1,000	4,000
Tetrachlorvinphos	200	1,000	4,000
Tributyl phosphate	200	1,000	4,000
Trichloronate	200	1,000	4,000
Triphenyl phosphate	200	1,000	4,000
<b>Low</b>	M-1657-04-1X		<b>1 mL</b>
<b>Medium</b>	M-1657-04-5X		<b>1 mL</b>
<b>High</b>	M-1657-04-20X		<b>1 mL</b>

### Calibration Group 2

<b>M-1657-02-CAL-SET</b>	<b>3 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane	12 comps.

Components	Low (1X)	Medium (5X)	High (20X)
Chlorfevinphos	200	1,000	4,000
Chlorpyrifos	200	1,000	4,000
Demeton (O + S)	400	2,000	8,000
Dichlofenthion	200	1,000	4,000
Dimethoate	100	500	2,000
Famphur	500	2,500	10,000
Leptophos	200	1,000	4,000
Methyl parathion	200	1,000	4,000
Tributyl phosphate	200	1,000	4,000
Trichlorofon	500	2,500	10,000
Tricresylphosphate	100	500	2,000
Triphenyl phosphate	200	1,000	4,000
<b>Low</b>	M-1657-02-1X		<b>1 mL</b>
<b>Medium</b>	M-1657-02-5X		<b>1 mL</b>
<b>High</b>	M-1657-02-20X		<b>1 mL</b>

### M-1657-CAL-SET

4 x (3 x 1 mL)  
M-1657-01-R1-CAL-SET, M-1657-02-CAL-SET, M-1657-03-CAL-SET, M-1657-04-CAL-SET

## Method 1658 Phenoxy-Acid Herbicides

Method 1658 consolidates several EPA wastewater methods used to determine Phenoxy-Acid Herbicides and Herbicide esters associated with the CWA, RCRA and CERCLA, as well as other compounds amenable to extraction and analysis by wide-bore capillary column GC/ECD.

<b>M-1658-CAL-SET</b>	<b>3 x 1 mL</b>
At stated conc. (ng/mL) in Isooctane	12 comps.

Components	Low (1X)	Medium (10X)	High (100X)
2,4-D	100	1,000	10,000
Dalapon	50	500	5,000
2,4-DB	200	2,000	20,000
2,4-Dichlorophenylacetic acid (Surrogate)	10	100	1,000
Dicamba	20	200	2,000
Dichlorprop	100	1,000	10,000
Dinoseb	50	500	5,000
MCPA	5,000	50,000	500,000
MCPP	5,000	50,000	500,000
Picloram	50	500	5,000
2,4,5-T	20	200	2,000
2,4,5-TP	20	200	2,000

## Method 1659 Dazomet in Municipal & Industrial Wastewater by NPD

Method 1659 is used to determine Dazomet by base hydrolysis to Methyl Isothiocyanate (MITC) and subsequent determination of MITC by wide-bore fused-silica capillary column gas chromatography with a Nitrogen Phosphorus Detector (NPD).

### Recovery & Precision Solution

<b>M-1659-RPS</b>	<b>1 x 1 mL</b>
25 µg/mL in Acetone	
Methyl isothiocyanate (MITC)	

### Matrix Spiking Solution

<b>M-1659-MS</b>	<b>1 x 1 mL</b>
25 µg/mL in Acetone	
Dazomet	

### Calibration Solutions

<b>M-1659-CAL-SET</b>	<b>3 x 1 mL</b>	
<b>M-1659-CAL-1X</b>	0.2 mg/mL in Acetone	<b>1 mL</b>
<b>M-1659-CAL-5X</b>	1.0 mg/mL in Acetone	<b>1 mL</b>
<b>M-1659-CAL-25X</b>	5.0 mg/mL in Acetone	<b>1 mL</b>
Methyl isothiocyanate (MITC)		

# EPA 8000 Series - Pesticide Methods

## Method 8080A Organochlorine Pesticides by GC/ECD

### Organochlorine Pesticides

<b>M-8080</b>					1 x 1 mL
<b>M-8080-PAK</b>					<b>SAVE</b> 5 x 1 mL
2 mg/mL each in Acetone					
Aldrin	4,4'-DDE		Endrin		17 comps.
α-BHC	4,4'-DDT		Endrin aldehyde		
β-BHC	Dieldrin		Heptachlor		
δ-BHC	Endosulfan I		Heptachlor epoxide (Isomer B)		
γ-BHC	Endosulfan II		Methoxychlor		
4,4'-DDD	Endosulfan sulfate				

### Organochlorine Pesticide QC Standard

<b>M-8080-QC-R</b>					1 x 1 mL
<b>M-8080-QC-R-PAK</b>					<b>SAVE</b> 5 x 1 mL
At stated conc. (mg/mL) in Acetone					
Aldrin	0.02	4,4'-DDE	0.02	Endrin	0.1
α-BHC	0.02	4,4'-DDT	0.1	Endrin aldehyde	0.02
β-BHC	0.02	Dieldrin	0.02	Heptachlor	0.02
δ-BHC	0.02	Endosulfan I	0.02	Heptachlor epoxide	0.02
γ-BHC	0.02	Endosulfan II	0.1	(Isomer B)	
4,4'-DDD	0.1	Endosulfan sulfate	0.1	Methoxychlor	0.02

### Internal Standard

<b>M-508-IS</b>					1 x 1 mL
<b>M-508-IS-PAK</b>					<b>SAVE</b> 5 x 1 mL
0.1 mg/mL in MtBE					
Pentachloronitrobenzene					

### Surrogate Standard

<b>CLP-032-R</b>					1 x 1 mL
<b>M-508-IS-PAK</b>					<b>SAVE</b> 5 x 1 mL
0.2 mg/mL each in Acetone					
Decachlorobiphenyl			Tetrachloro- <i>m</i> -xylene		

### Chlordane (Tech Mix) and Toxaphene

Each at 1,000 µg/mL in Hexane				<b>SAVE (5 x 1 mL)</b>
Chlordane	P-017S-H-10X	1 mL	P-017S-H-10X-PAK	5 x 1 mL
Toxaphene	P-093S-H-10X	1 mL	P-093S-H-10X-PAK	5 x 1 mL

### Decomposition Solution

<b>M-1618D *</b>					1 x 1 mL
<b>M-1618D-PAK *</b>					<b>SAVE</b> 5 x 1 mL
At stated conc. (µg/mL) in Acetone					
p,p'-DDT 2 µg/mL		Endrin 1 µg/mL		2 comps.	

### o,p'-DDT and Metabolites

<b>M-8080-OP</b>					1 x 1 mL
<b>M-8080-OP-PAK</b>					<b>SAVE</b> 5 x 1 mL
0.25 mg/mL each in Hexane:Toluene (50:50)					
o,p'-DDD		o,p'-DDT		o,p'-DDE	
3 comps.					

### Organochlorine Pesticide Mix

<b>M-8080-ASL</b>					1 x 1 mL
<b>M-8080-ASL-PAK</b>					<b>SAVE</b> 5 x 1 mL
250 µg/mL each in Hexane:Toluene (50:50)					
Alternate Source					
17 comps.					

Aldrin	p,p'-DDE	Endrin
α-BHC	p,p'-DDT	Endrin aldehyde
β-BHC	Dieldrin	Heptachlor
δ-BHC	Endosulfan I	Heptachlor epoxide (Isomer B)
γ-BHC	Endosulfan II	Methoxychlor (1000 µg/mL)
p,p'-DDD	Endosulfan sulfate	

## Method 8080/8081 Matrix Spike Solutions & Surrogates at Working Level

### Matrix Spiking Solutions

#### For Water Samples

<b>CLP-014-5ML</b>					1 x 5 mL
<b>CLP-014-25ML</b>					1 x 25 mL
At stated conc. (ng/mL) in Methanol					
6 comps.					

Aldrin	200	Endrin	500
4,4'-DDT	500	Heptachlor	200
Dieldrin	500	Lindane	200

#### For Waste Samples

<b>CLP-014-5X-5ML</b>					1 x 5 mL
<b>CLP-014-5X-25ML</b>					1 x 25 mL
At stated conc. (ng/mL) in Methanol					
6 comps.					

Aldrin	1,000	Endrin	2,500
4,4'-DDT	2,500	Heptachlor	1,000
Dieldrin	2,500	Lindane	1,000

### Surrogate Solutions

#### For Water Samples

<b>CLP-032R-WL-10ML</b>					1 x 10 mL
<b>CLP-032R-WL-50ML</b>					1 x 50 mL
<b>CLP-032R-WL-100ML</b>					1 x 100 mL
1 µg/mL each in Acetone					

Decachlorobiphenyl	Tetrachloro- <i>m</i> -xylene
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#### For Waste Samples

<b>CLP-032R-WL-5X-10ML</b>					1 x 10 mL
<b>CLP-032R-WL-5X-50ML</b>					1 x 50 mL
<b>CLP-032R-WL-5X-100ML</b>					1 x 100 mL
5 µg/mL each in Acetone					
2 comps.					

Decachlorobiphenyl	Tetrachloro- <i>m</i> -xylene
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\* ColdPAK required to maintain integrity of product.



# EPA 8000 Series - Pesticide Methods

## Method 8085 Pesticides by GC/AED

### Nitrogen Containing Pesticides

#### Mix #1

##### M-8085-N1

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
19 comps.

Alachlor	18	Metribuzin	5	Pronamide	20
Atrazine	5	Napropamide	15	Propachlor	12
Bromacil	20	Norflurazon	10	Simazine	5
Dichlobenil	10	Oxyfluorfen	20	Tebuthiuron	7.5
Diphenamid	15	Pendimethalin	7.5	Terbacil	15
Ethalfuralin	7.5	Prometryne	5	Trifluralin	7.5
Metolachlor	20				

#### Mix #2

##### M-8085-N2

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
18 comps.

Ametryn	5	Cycloate	10	Prometon	5
Benfluralin	7.5	EPTC	10	Propargite	10
Butylate	10	Hexazinone	7.5	Propazine	5
Chlorpropham	20	Molinate	10	Tillam	10
Chlorothalonil	12	Terbutryn	5	Triallate	13
Cyanazine	7.5	Profluralin	12	Vernolate	10

#### Mix #3

##### M-8085-N3

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
15 comps.

Butachlor	30	Atraton	7.5	cis-Permethrin	10
Carboxin	30	Hexazinone	7.5	Resmethrin	10
Diallate	35	Diuron	30	Sumithrin	10
Fenarimol	15	Metalaxyl	30	Triadimefon	13
Fenvalerate	20	MGK-264	40	Triallate	15

### Technical Note

These standards are for those laboratories participating in the analysis of pesticides by EPA Method 8085 Pesticide Screening and Compound Independent Elemental Quantitation by Gas Chromatography with Atomic Emission Detection (AED).

### Chlorinated Pesticides

#### Mix #1

##### M-8085-C1

2.5  $\mu\text{g/mL}$  each in Hexane

1 x 5 mL  
23 comps.

Aldrin	p,p'-DDE	Endrin ketone
$\alpha$ -BHC	p,p'-DDT	Heptachlor
$\beta$ -BHC	Dieldrin	Heptachlor epoxide (Isomer B)
$\gamma$ -BHC	Endosulfan I	Methoxychlor
$\delta$ -BHC	Endosulfan II	cis-nonachlor
$\gamma$ -Chlordane	Endosulfan sulfate	Oxychlordane
$\alpha$ -Chlordane	Endrin	Pentachloroanisole
p,p'-DDD	Endrin aldehyde	

#### Mix #2

##### M-8085-C2

At stated conc. ( $\mu\text{g/mL}$ ) in Hexane

1 x 5 mL  
9 comps.

Captan	6.75	Hexachlorobenzene	2.5
Captafol	12.5	Dicofol	10
o,p'-DDE	2.5	Mirex	2.5
o,p'-DDD	2.5	trans-Nonachlor	2.5
o,p'-DDT	2.5		

### Compound Independent Calibration (CIC) Mix

##### M-8085-CIC

At stated conc. ( $\text{ng/mL}$ ) in MtBE

1 x 5 mL  
15 comps.

Decachlorobiphenyl	492	Pentachloronitrobenzene	1690
Diazinon	9800	Phorate	2100
4,4'-Dibromooctafluorobiphenyl	1000	Silvex methyl ester	400
Dichlobenil	6140	Terbufos	7600
Chlorpyrifos	5680	2,4,6-Tribromoanisole	2870
Ethoprop	391	1,2,3-Trichlorobenzene	6810
loxynil methyl	500	Trifluralin	16000
Malathion	1070		

### Organo Phosphorous Pesticides

#### Mix #1

##### M-8085-P1

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
14 comps.

Azinphos ethyl	8	EPN	5
Carbophenothion	5	Ethion	3.5
Chlorpyrifos methyl ester	4	Fenamiphos	5
Demeton (mixed isomers)	7	Fenitrothion	3.5
Disulfoton	3	Malathion	4
Chlorpyrifos	4	Merphos	6
Dyfonate	3	Sulfotep	3

#### Mix #2

##### M-8085-P2

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
12 comps.

Azinphos methyl	8	Ethoprop	4	Methyl parathion	3.5
Sulprofos	3.5	Fensulfothion	5	Parathion	4
Diazinon	4	Fenthion	3.5	Phorate	3.5
Dimethoate	4	Imidan	5.5	Fenchlorphos	3.5

### Herbicides as Methyl Derivatives

#### Mix #1

##### M-8085-H1-M

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
12 comps.

Bentazon methyl ester	7.5	4-Nitroanisole	10
Bromoxynil methyl ether	5	Pentachloroanisole	2.5
Chloramben methyl ester	5	2,3,4,5-Tetrachloroanisole	2.75
Dinoseb methyl ether	7.5	2,3,4,6-Tetrachloroanisole	2.75
MCPA methyl ester	10	2,4,5-Trichloroanisole	3
MCPP methyl ester	10	2,4,6-Trichloroanisole	3

#### Mix #2

##### M-8085-H2-M

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
13 comps.

Dalapon methyl ester	4	loxynil methyl ether	5
2,4-D methyl ester	5	Methyl 3,5-Dichlorobenzoate	5
2,4-DB methyl ester	6	Picloram methyl ester	5
DCPA methyl ester	4	Silvex methyl ester	4
Dicamba methyl ester	5	2,4,5-T methyl ester	4
Dichlorprop methyl ester	5.5	Triclopyr methyl ester	4
Diclofop methyl	7.5		

### Surrogates

##### M-8085-PEST-SS

At stated conc. ( $\mu\text{g/mL}$ ) in MtBE

1 x 5 mL  
4 comps.

Decachlorobiphenyl	10	1,3-Dimethyl-2-nitrobenzene	20
4,4'-Dibromooctafluorobiphenyl	20	Triphenylphosphate	20

### Technical Note

Organophosphorus and Nitrogen/Phosphorus pesticides are light sensitive, store in deactivated amber vials.

### Alternate Surrogates

##### M-8085-PEST-SS2

20  $\mu\text{g/mL}$  each in MtBE

1 x 5 mL  
2 comps.

Dibutylchloroendate	Tetrachloro-m-xylene
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### Herbicide Surrogate

##### M-8085-HERB-SS

20  $\mu\text{g/mL}$  in MtBE

1 x 5 mL

2,4,6-Tribromophenol
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# EPA 8000 Series - Pesticide Methods

## Method 8140 Organophosphorous Pesticides by GC/NPD/ELCD/FPD

### Organophosphorous Pesticides

#### M-8140M

#### M-8140M-PAK

40 µg/mL each in Hexane:Acetone (95:5)

1 x 1 mL  
**SAVE** 5 x 1 mL  
 20 comps.

#### M-8140M-5X \*

#### M-8140M-5X-PAK \*

0.2 mg/mL each in Hexane:Acetone (95:5)

1 x 1 mL  
**SAVE** 5 x 1 mL  
 20 comps.

Azinphosmethyl	M-8140-01	Dichlorovos	M-8140-07	Merphos	M-8140-12	Fenchlorphos	M-8140-17
Sulprofos	M-8140-02	Disulfoton	M-8140-08	Methyl parathion	M-8140-13	Stirophos	M-8140-18
Chlorpyrifos	M-8140-03	Ethoprop	M-8140-09	Mevinphos	M-8140-14	Tokuthion	M-8140-19
Coumaphos	M-8140-04	Fensulfothion	M-8140-10 *	Naled	M-8140-15	Trichloronate	M-8140-20
Demeton	M-8140-05	Fenthion	M-8140-11	Phorate	M-8140-16		
Diazinon	M-8140-06						

\* Hexane:Acetone (95:5)

### Organophosphorous Pesticide Set

#### M-8140-SET

Each at 1.0 mg/mL in Hexane, \* Hexane:Acetone (95:5)

20 x 1 mL

## Method 8141A Additions to Method 8140 Organophosphorous Pesticides by GC/NPD

### Mix #1

#### M-8141M \*

#### M-8141M-PAK \*

0.2 mg/mL each in Hexane : Acetone (90:10)

1 x 1 mL  
**SAVE** 5 x 1 mL  
 7 comps.

#### M-8141-SET

Each at 1000 µg/mL in Hexane, \* Hexane:Acetone (90:10), \*\* (95:05)

7 x 1 mL

Dimethoate	M-8141-01 *	Ethyl parathion	M-8141-05
EPN	M-8141-02	Sulfotep	M-8141-06
Malathion	M-8141-03	TEPP	M-8141-07
Monocrotophos	M-8141-04 **		

### Industrial Chemicals & Triazine Herbicides

#### M-8141A-IC

0.2 mg/mL each in Hexane

1 x 1 mL

2 comps.

Hexamethylphosphoramide (HMPA) Tri-o-cresylphosphate (TOCP)

#### M-8141A-TH

#### M-8141A-TH-PAK

0.2 mg/mL each in Acetone

1 x 1 mL

**SAVE** 5 x 1 mL

2 comps.

Atrazine

Simazine

### Technical Note

Tetraethyl pyrophosphate TEPP is unstable, decomposes in water, and is thermally labile at inlet temperatures above 170°C.

### Mix #2

#### M-8141A-1M

0.2 mg/mL each in Hexane

1 x 1 mL

10 comps.

#### M-8141A-1-SET \*

Each at 1.0 mg/mL in Hexane

10 x 1 mL

Azinphos-ethyl	M-8141A-1-01	Famphur	M-8141A-1-06
Carbophenothion	M-8141A-1-02	Leptophos	M-8141A-1-07
Chlorfenvinphos	M-8141A-1-03	Phosmet	M-8141A-1-08
Dioxathion	M-8141A-1-04 *	Phosphamidon	M-8141A-1-09 *
Ethion	M-8141A-1-05	Terbufos	M-8141A-1-10

### Standard for Halogen Specific Detector

#### M-8141B-HSD

#### M-8141B-HSD-PAK

0.2 mg/mL each in Hexane

1 x 1 mL

**SAVE** 5 x 1 mL

9 comps.

Chlorpyrifos

EPN

Stirophos

Coumaphos

Naled

Trichloronate

Dichlorvos

Fenchlorphos

Tokuthion

### Technical Note

For use with a halogen-specific detector (i.e., electrolytic conductivity or microcoulometry). ECD should only be used when previous analyses have demonstrated that interferences do not adversely affect quantitation.

### Internal Standard for NPD

#### M-8141A-IS

#### M-8141A-IS-PAK

1000 µg/mL in Acetone

1 x 1 mL

**SAVE** 5 x 1 mL

1-Bromo-2-nitrobenzene

### Surrogate Standard for NPD & FPD

#### M-8141A-SS

#### M-8141A-SS-PAK

1000 µg/mL each in Acetone

1 x 1 mL

**SAVE** 5 x 1 mL

2 comps.

Tributylphosphate

Triphenylphosphate

### Surrogate Standard for NPD only

#### M-8141A-SS-X

#### M-8141A-SS-X-PAK

1000 µg/mL in Acetone

1 x 1 mL

**SAVE** 5 x 1 mL

4-Chloro-3-nitrobenzotrifluoride

### Technical Note

Organophosphorus and Nitrogen/Phosphorus pesticides are light sensitive, store in deactivated amber vials.



# EPA 8000 Series - Pesticide Methods

## Method 8150A/8150B Chlorinated Herbicides by GC/ECD

### Chlorinated Herbicides in Ground Water (Rev. 1, July 1992) and their Methyl Derivatives

(mg/mL)	Herbicides Acids (in Methanol)	Methyl Derivative (in Hexane)
2,4-D 0.2	M-8150S-A-01 1 mL	M-8150-01 1 mL
2,4-DB 0.2	M-8150S-A-02 1 mL	M-8150-02 1 mL
2,4,5-T 0.2	M-8150S-A-03 1 mL	M-8150-03 1 mL
2,4,5-TP 0.2	M-8150S-A-04 1 mL	M-8150-04 1 mL
Dalapon 0.2	M-8150S-A-05 * 1 mL	M-8150-05 1 mL

\* ColdPAK required to maintain integrity of product.

(mg/mL)	Herbicides Acids (in Methanol)	Methyl Derivative (in Hexane)
Dicamba 0.2	M-8150S-A-06 1 mL	M-8150-06 1 mL
Dichlorprop 0.2	M-8150S-A-07 1 mL	M-8150-07 1 mL
Dinoseb 0.2	M-8150S-A-08 1 mL	M-8150-08 1 mL
MCPA 2.0	M-8150S-A-09 1 mL	M-8150-09 1 mL
MCPP 2.0	M-8150S-A-10 1 mL	M-8150-10 1 mL
	<b>M-8150A-SET *</b>	<b>M-8150-SET 10 x 1 mL</b>

#### Underivatized Solution (Varied Concentration)

**M-8150A** 1 x 1 mL  
**M-8150A-PAK** **SAVE** 5 x 1 mL  
 0.1 mg/mL in Methanol, except MCPA and MCPP 10 comps.

2,4-D	Dichlorprop	MCPP (10 mg/mL)
Dalapon	Dinoseb	2,4,5-TP
2,4-DB	MCPA (10 mg/mL)	2,4,5-T
Dicamba		

#### Methyl Derivatives Solutions (Varied Concentration)

**M-8150** 1 x 1 mL  
 0.1 mg/mL in Methanol, except MCPA and MCPP 10 comps.

2,4-D methyl ester	Dinoseb methyl ester
Dalapon methyl ester	MCPA methyl ester (10 mg/mL)
2,4-DB methyl ester	MCPP methyl ester (10 mg/mL)
Dicamba methyl ester	2,4,5-TP methyl ester
Dichlorprop methyl ester	2,4,5-T methyl ester

#### Underivatized Solution (Equal Concentration)

**M-8150M-A** 1 x 1 mL  
**M-8150M-A-PAK** **SAVE** 5 x 1 mL  
 0.2 mg/mL each in Methanol 10 comps.

2,4-D	Dichlorprop	MCPP
Dalapon	Dinoseb	2,4,5-TP
2,4-DB	MCPA	2,4,5-T
Dicamba		

#### Underivatized Surrogate Standards

**M-8150B-SS** 1 x 1 mL  
**M-8150B-SS-PAK** **SAVE** 5 x 1 mL  
 0.1 mg/mL in Acetone

**M-8150B-SS-10X** 1 x 1 mL  
 1000 µg/mL in Acetone  
 2,4-Dichlorophenylacetic acid

#### Internal Standard

**M-8151-IS** 1 x 1 mL  
**M-8151-IS-PAK** **SAVE** 5 x 1 mL  
 0.25 mg/mL in Acetone  
 4,4'-Dibromooctafluorobiphenyl

#### Methyl Derivatives Solutions (Equal Concentration)

**M-8150M-SET** 2 x 1 mL  
 M-8150M, M-8150M-2

**M-8150M** 1 x 1 mL  
**M-8150M-PAK** **SAVE** 5 x 1 mL  
 20 µg/mL each in Hexane 8 comps.

2,4-D methyl ester	Dichlorprop methyl ester
Dalapon methyl ester	Dinoseb methyl ester
2,4-DB methyl ester	2,4,5-TP methyl ester
Dicamba methyl ester	2,4,5-T methyl ester

**M-8150M-2** 1 x 1 mL  
**M-8150M-2-PAK** **SAVE** 5 x 1 mL  
 2 mg/mL each in Hexane 2 comps.  
 MCPA methyl ester      MCPP methyl ester

#### Methyl Derivative Surrogate Standard

**M-515-SS** 1 x 1 mL  
**M-515-SS-PAK** **SAVE** 5 x 1 mL  
 0.1 mg/mL in MtBE  
 Methyl 2,4-dichlorophenylacetate

#### PFB Derivatized Chlorinated Herbicides

**M-8150-02-PFB** 1 x 1 mL  
 0.1 mg/mL in MtBE

2,4-D-PFB

**M-8150-04-PFB** 1 x 1 mL  
 0.1 mg/mL in MtBE

2,4,5-TP-PFB

# EPA 8000 Series - Pesticide Methods

## Method 8151/8151A Chlorinated Herbicides by GC/ECD

### Methyl Derivatives

**M-8151** 1 x 1 mL  
0.1 mg/mL each in MtBE, except MCPA & MCPP 18 comps.

Acifluorfen methyl ester	Dichlorprop methyl ester
Bentazon methyl ester	Dinoseb methyl ester
Chloramben methyl ester	MCPA methyl ester (10 mg/mL)
2,4-D methyl ester	MCPP methyl ester (10 mg/mL)
Dalapon methyl ester	4-Nitroanisole
2,4-DB methyl ester	Pentachloroanisole
DCPA methyl ester	Picloram methyl ester
Dicamba methyl ester	2,4,5-TP methyl ester
Methyl-3,5-dichlorobenzoate	2,4,5-T methyl ester

### Underivatized

**M-8151A** 1 x 1 mL  
**M-8151A-PAK** **SAVE** 5 x 1 mL  
0.1 mg/mL each in Acetone, except MCPA & MCPP 18 comps.

Acifluorfen	Dichlorprop
Bentazon	Dinoseb
Chloramben	MCPA (10 mg/mL)
2,4-D	MCPP (10 mg/mL)
Dalapon	4-Nitrophenol
2,4-DB	Pentachlorophenol
DCPA diacid	Picloram
Dicamba	2,4,5-TP
3,5-Dichlorobenzoic acid	2,4,5-T

### Internal Standards

**M-8151-IS** 1 x 1 mL  
**M-8151-IS-PAK** **SAVE** 5 x 1 mL  
0.25 mg/mL in Acetone

4,4'-Dibromooctafluorobiphenyl

**M-8151-IS-2** 1 x 1 mL  
**M-8151-IS-2-PAK** **SAVE** 5 x 1 mL  
0.25 mg/mL in Acetone

1,4-Dichlorobenzene

### Surrogate Standards

**M-515-SS** 1 x 1 mL  
**M-515-SS-PAK** **SAVE** 5 x 1 mL  
0.1 mg/mL in MtBE

Methyl-2,4-dichlorophenylacetate

**M-8150B-SS** 1 x 1 mL  
**M-8150B-SS-PAK** **SAVE** 5 x 1 mL  
0.1 mg/mL in Acetone

**M-8150B-SS-10X** 1 x 1 mL  
1.0 mg/mL in Acetone

2,4-Dichlorophenylacetic acid

## ASL Method 8270C/D Pesticides by GC/MS ASL

### Organophosphorous Pesticide Mix

**M-8270-09-ASL** 1 x 1 mL  
2.0 mg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 9 comps.

Alternate Source

Dimethoate	Thioniazin	Methyl parathion
Disulfoton	Sulfotep	Parathion
Famphur	O,O,O-Triethylphosphorothioate	Phorate

### Organochlorine Pesticide Mix

**M-8270-14-ASL** 1 x 1 mL  
2.0 mg/mL each in Acetone 17 comps.

Aldrin	4,4'-DDE	Endrin
α-BHC	4,4'-DDT	Endrin aldehyde
β-BHC	Dieldrin	Heptachlor
δ-BHC	Endosulfan I	Heptachlor epoxide
γ-BHC	Endosulfan II	(Isomer B)
4,4'-DDD	Endosulfan sulfate	Methoxychlor

## ASL Method 8270C/D Pesticides by GC/MS (Cont.)

These additional formulations, used in conjunction with the ASL 8270C/D formulations and designed on a functional group basis, will allow the chemist to analyze a complete method 8270C/D analyte list.

### Pesticide Mixes

**M-8270-10-ASL \*** 1 x 1 mL  
2.0 mg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 6 comps.

Aramite	Isodrin
Chlorobenzilate	Kepone
Diallate	Pronamide

**M-8270-16** 1 x 1 mL  
1000 µg/mL each in CH<sub>2</sub>Cl<sub>2</sub> : Acetone (75:25) 10 comps.

Anilazine	Dioxathion
Azinphos methyl	Mirex
Barbamate	Sulfoxide
Demeton (mixed isomers)	Sulfallate
Dichlone	Trifluralin

**M-8270-17** 1 x 1 mL  
1000 µg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 7 comps.

Brominal	Dinocap
Captafol	Fluchloralin
Captan	Nitrofen
Dinex	

**M-8270-18** 1 x 1 mL  
1000 µg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 6 comps.

Carbaryl	Mexacarbate
Carbofuran	Schradan (Octamethylpyrophosphoramidate)
Ethyl carbamate	Phenobarbital

**M-8270-19** 1 x 1 mL  
1000 µg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 12 comps.

Carbophenothion	Leptophos
Coumaphos	Malathion
EPN	Phosalone
Ethion	Imidan (Phosmet)
Fensulfothion	Terbufos
Fenthion	Tetrachlorvinphos

**M-8270-20** 1 x 1 mL  
1000 µg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 9 comps.

Chlorfenvinphos	Monocrotophos
Ciodrin (Crotoxyphos)	Naled
Dichlorvos	Phosphamidon
Dicrotophos	TEPP (Tetraethylpyrophosphate)
Mevinphos	

**M-8270-21** 1 x 1 mL  
2.0 mg/mL each in Acetone 3 comps.

α-Chlordane	Endrin ketone
γ-Chlordane	

**M-8270-07-SET \*** 2 x 1 mL  
M-8270-07-R1, APP-9-014-D-10X

**M-8270-07-R1 \*** 1 x 1 mL  
2.0 mg/mL each in CH<sub>2</sub>Cl<sub>2</sub> 14 comps.

Chlorobenzilate	Disulfoton	Phorate
Diallate	Famphur	Silvex (2,4,5-TP)
2,4-D	Kepone	Sulfotep
Dimethoate	Methyl parathion	Thioniazin
Dinoseb	Parathion	

**APP-9-014-D-10X** 1 x 1 mL  
2.0 mg/mL in CH<sub>2</sub>Cl<sub>2</sub>

Aramite

\* ColdPAK required to maintain integrity of product

# EPA 8000 Series and ASTM Methods

## Method 8318 N-Methylcarbamates by HPLC

### N-Methylcarbamates

**M-8318M** 1 x 1 mL  
0.1 mg/mL each in Methanol 10 comps.

Each at 100 µg/mL in Methanol, 1 mL

Aldicarb	M-8318-01	3-Hydroxycarbofuran	M-8318-06
Aldicarb sulfone	M-8318-02	Methiocarb	
Carbaryl	M-8318-03	Methomyl	M-8318-08
Carbofuran	M-8318-04	Promecarb	M-8318-09
Dioxacarb	M-8318-05	Propoxur	M-8318-10

## Method 8321 Non-Volatile Compounds by HPLC/TSP/MS or UV Solvent Extractable

### Chlorinated Phenoxyacid Herbicide Mix

**M-8321-HERB** 1 x 1 mL  
0.1 mg/mL each in Acetonitrile 14 comps.

Dalapon	Dinoseb
Dicamba	MCPA
2,4-D	MCPP
2,4-D butoxyethyl ester	Silvex (2,4,5-TP)
2,4-D ethylhexyl ester	2,4,5-T
2,4-DB	2,4,5-T butyl ester
Dichlorprop	2,4,5-T butoxyethyl ester

### Organophosphorus Pesticide Mix

**M-8321-OP** 1 x 1 mL  
0.1 mg/mL each in Acetonitrile 15 comps.

Asulam	Methyl parathion
Dichlorvos	Monocrotophos
Dimethoate	Naled
Disulfoton	Phorate
Famphur	Thiofanox
Fensulfothion	Trichlorfon
Merphos	tris(2,3-Dibromopropyl)phosphate
Methomyl	

## Method 8325 Benzidines & Nitrogen containing Pesticides by L-L or L-S Extraction & RP HPLC/Particle Beam/MS

### Benzidine/Pesticide Mix

**M-553** 1 x 1 mL  
At stated conc. (µg/mL) in ACN:MeOH (50:50) 13 comps.

Benzidine †	250	3,3'-Dimethylbenzidine †	350
Benzoylprop ethyl	350	Diuron	450
Caffeine	300	Linuron	1300
Carbaryl	1000	Monuron	400
o-Chlorophenyl thiourea	750	Rotenone	3200
3,3'-Dichlorobenzidine †	250	Siduron	450
3,3'-Dimethoxybenzidine †	750		

† Subject to oxidation

### Performance Check Solution

**M-553-PC** 1 x 1 mL  
0.1 mg/mL in Acetonitrile

DFTPPO (Decafluorotriphenylphosphine oxide)

## ASTM D7645 Determination of Pesticides in Water by LC-MS/MS

### ASTM Carbamate Standard

**D-7645** 1 x 1 mL  
100 µg/mL each in Methanol 8 comps.

Aldicarb	Oxamyl
Aldicarb sulfone	Methomyl
Aldicarb sulfoxide	Thiofanox
Carbofuran	Carbofuran-d <sub>3</sub>

### ASTM Carbamate Matrix Spike Standard

**D-7645-MS** 1 mL  
50 µg/mL each in MeOH 7 comps.

Aldicarb	Oxamyl
Aldicarb sulfone	Methomyl
Aldicarb sulfoxide	Thiofanox
Carbofuran	

### Carbamates in Water

**D-7645-R1** 1 x 1 mL  
100 µg/mL each in Methanol 9 comps.

Aldicarb	Methomyl
Aldicarb sulfone	Thiofanox
Aldicarb sulfoxide	Methomyl-d <sub>3</sub>
Carbofuran	Carbofuran-d <sub>3</sub>
Oxamyl	

### ASTM Carbamate Surrogate Standard

**D-7645-SS** 1 x 1 mL  
**D-7645-SS-PAK** SAVE 5 x 1 mL  
100 µg/mL in Methanol

Carbofuran-d<sub>3</sub>

### Carbamates in Water Surrogate Standard

**D-7645-SS-R1** 1 x 1 mL  
100 µg/mL each in Methanol

Methomyl-d<sub>3</sub> Carbofuran-d<sub>3</sub>

## ASTM D8025 Determination of Pesticides in Water

### ASTM D8025 Pesticides Reference Standard

**D-8025** 1 mL  
100 µg/mL each in Acetonitrile 27 comps.

2,4-D	Dicamba
Acetochlor	Fipronil
Alachlor	Imidacloprid
Aldicarb	Malathion
Atrazine	Methomyl
Atrazine desethyl	Metolachlor
Atrazine-desisopropyl	Metribuzin
Azoxystrobin	Picloram
Bentazon	Propiconazole
Carbaryl	Simazine
Chlorpyrifos (Dursban)	Tebuconazol
Clopyralid	Thiamethoxam
Clothianidin	Triclopyr
Diazinon	

# European - Pesticide Methods

## Pesticide Standards

The following Pesticide Standards are for German Regulations (for residue thresholds), Swiss Regulations (for components and contaminants in food), and DFG collected methods.

### Pesticide Mix #1

**AE-00010** 1 x 1 mL  
**AE-00010-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 31 comps.

Aldrin	10
α-BHC	10
β-BHC	10
γ-BHC	10
δ-BHC	10
α-Chlordane	10
γ-Chlordane	10
o,p'-DDD	10
p,p'-DDD	10
o,p'-DDE	10
p,p'-DDE	10
o,p'-DDT	10
p,p'-DDT	10
Dieldrin	10
Endosulfan I	10
Endosulfan II	10
Endrin	10
Heptachlor	10
Heptachlor epoxide (Isomer A)	10
Heptachlor epoxide (Isomer B)	10
2,2',3,4,4',5,5'-Heptachlorobiphenyl	1
Hexachlorobenzene	10
2,2',3,4,4',5'-Hexachlorobiphenyl	1
2,2',4,4',5,5'-Hexachlorobiphenyl	1
Isodrin	10
Methoxychlor	10
Mirex	10
Oxychlordane	10
2,2',4,5,5'-Pentachlorobiphenyl	1
2,2',5,5'-Tetrachlorobiphenyl	1
2,4,4'-Trichlorobiphenyl	1

### Pesticide Mix #2

**AE-00011** 1 x 1 mL  
**AE-00011-10ML** 1 x 10 mL  
 10 µg/mL each in Toluene 22 comps.

Anilazine	Tecnacene
Captan	Tetradifon
Chlorthalonil	Tetrasul
Clorfenson	Tridiamefon
Dichlofluanid	Tridiamenol
Dicofol	Trifluarin
Endosulfan sulfate	Pentachloroaniline
Fenson	Procymidon
Folpet	Propyzamid
Imazalil	Quintozen
Iprodion	Vinclozolin

### Pesticide Mix #3

**AE-00012** 1 x 1 mL  
**AE-00012-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 10 comps.

Captafol	200
Captan	100
Demethon-S-methyl	500
Demethon-S-methyl-sulfone	500
Dicofol	200
Pentachlorophenol	100
Tetrachlorvinphos	10
Trichlorfon	100
Tolyfluanid	100
Vamidithion	200

### Pesticide Mix #4

**AE-00013** 1 x 1 mL  
**AE-00013-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 5 comps.

Cyproconazole	500
Hexaconazole	500
Penconazole	500
Tebuconazole	500
Tetrachlorvinphos	10

### Pesticide Mix #5

**AE-00014** 1 x 1 mL  
**AE-00014-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Ethyl acetate 8 comps.

Atrazine	200
Cyanazine	200
Desmethyltriazin	500
Metribuzin	500
Prometryne	500
Simazine	200
Terbutryn	500
Tetrachlorvinphos	10

### Tetrachlorvinphos Surrogate / Internal Standard

**AE-00047** 1 x 1 mL  
 1000 µg/mL in Acetonitrile  
 Tetrachlorvinphos

### Pesticide Mix #6

**AE-00015** 1 x 1 mL  
**AE-00015-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 8 comps.

Chlorpyrifos-methyl	100
Diazinon	100
Ethion	100
Etrifos	50
Iodofenphos	200
Malathion	100
Phosphamidon	200
Tetrachlorvinphos	10

### Pesticide Mix #7

**AE-00016** 1 x 1 mL  
**AE-00016-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 8 comps.

Bromophos-methyl	100
Bromophos-ethyl	150
Fenitrothion	200
Methacryfos	150
Omethoate	150
Phosalone	100
Tetrachlorvinphos	10
Tolclofos-methyl	100

### Pesticide Mix #8

**AE-00017** 1 x 1 mL  
**AE-00017-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene:Acetone:Hexane (90:5:5) 6 comps.

Chlorbufam	500
Chlorpropham	500
Dichlobenil	200
Imazalil	500
Pyrazon	500
2,3,5,6-Tetrachloronitrobenzene	100

### Pesticide Mix #9

**AE-00018** 1 x 1 mL  
**AE-00018-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 9 comps.

Azinphos ethyl	100
Fenchlorvos	100
Fonophos	150
Methidathion	100
Mevinphos	200
Parathion-ethyl	150
Parathion-methyl	100
Pirimiphos-methyl	100
Tetrachlorvinphos	10

### Pesticide Mix #10

**AE-00019** 1 x 1 mL  
**AE-00019-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 7 comps.

Benalaxyl	500
Carbaryl	500
Oxadixyl	500
Terbutylazine	250
Tetrachlorvinphos	10
Triadimefon	500
Triadimenol	500

### Pesticide Mix #11

**AE-00020** 1 x 1 mL  
**AE-00020-10ML** 1 x 10 mL  
 10 µg/mL each in Toluene 19 comps.

Aldrin	β-BHC
Chloridazon	γ-BHC
o,p'-DDD	δ-BHC
p,p'-DDD	Heptachlor
o,p'-DDE	Heptachlor epoxide (Isomer B)
p,p'-DDE	Heptachlor epoxide (Isomer A)
o,p'-DDT	Hexachlorobenzene
p,p'-DDT	Tecnazene
Endrin	Tetrachlorvinphos
α-BHC	

### Pesticide Mix #12

**AE-00021-R1** 1 x 1 mL  
 At stated conc. (µg/mL) in Toluene:Acetone (90:10) 9 comps.

Carbophenothion	100
Disulfoton	150
Fenthion	100
Methamidophos	100
Phorate	150
Phorate sulfone	150
Phorate sulfoxide	100
Tetrachlorvinphos	10
Thiometon	100

### Pesticide Mix #13

**AE-00022** 1 x 1 mL  
**AE-00022-10ML** 1 x 10 mL  
 At stated conc. (µg/mL) in Toluene 8 comps.

Chlorfenvinphos (CFVP)	100
Chlorpyrifos	100
Dichlorvos	100
Dimethoate	100
Heptenophos	100
Quinalphos	100
Tetrachlorvinphos	10
Triazophos	100

# European - Pesticide Methods

## Pesticide Standards (continued)

### Pesticide Mix #14

<b>AE-00023</b>	1 x 1 mL
<b>AE-00023-10ML</b>	1 x 10 mL
<i>At stated conc. (µg/mL) in Toluene</i>	
Cyfluthrin	500
λ-Cyhalothrin	500
Cypermethrin	500
Deltamethrin	500
Dichloran	100
Fenvalerate	500
Pendimethalin	100
Permethrin	500
Tefluthrin	100
Tetrachlorvinphos	10

Regulations for drinking water and water used in food manufacturing, May 27, 1986, BGBI, I, S. 760.

### Pesticide Mix #15

<b>AE-00024</b>	1 x 1 mL
<b>AE-00024-10ML</b>	1 x 10 mL
<i>0.02 µg/mL each in Ethyl acetate</i>	
Atrazine	Linuron
Bifenox	Pencycuron
Bromacil	Pendimethalin
Carbetamide	Prometryne
Chloridazo	Propazine
Chloroxuron	Metamitron
Chlorpropham	Metazachlor
Chlortoluron	Methabenzthiazuron
Crimidine	Methoprotryne
Cyanazine	Metobromuron
Desethyl atrazine	Metolachlor
Desisopropylatrazine	Monolinuron
Desethylterbutylazine	Sebutylazin
Dimefuron	Simazine
Diuron	Terbutryn
Isoproturon	Terbutylazine
Karbutilate	

Regulations for drinking water analysis, (E-DIN 38407-F-18, E-DIN 38414-F-21)  
Regulations for sediment and sludge.

### Pesticide Mix #16

<b>AE-00030</b>	1 x 1 mL
<b>AE-00030-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Ethyl acetate</i>	
Aldicarb	Lindane
Atrazine	MCPA *
Bentazone *	Mechlorprop *
Chlortofuron	Metazachlor
Cyanazine	Metobromuron
2,4-D *	Metoxuron
Dichlorprop *	Sebutylazin
1,3-Dichloropropene	Simazine
Endosulfan I	Terbutylazine
Endosulfan II	* Underivatized
Isoproturon	

Regulations - Test methods for organochlorine, organophosphorus compounds and pyrethroid Current Science and Technology, German Book of Medicine (1996).

### Pesticide Mix #17

<b>AE-00027</b>	1 x 1 mL
<b>AE-00027-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Toluene</i>	
Alachlor	Pentachloraniline
Bromopropylate	cis-Permethrin
Carbophenothion	trans-Permethrin
Cypermethrin	Piperonyl butoxide
Deltamethrin	Pyrethrins
Endosulfane sulfate	Quintozene
Fenvalerate	
Methyl pentachlorophenyl sulfide	

### Pesticide Mix #18

<b>AE-00028</b>	1 x 1 mL
<b>AE-00028-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Toluene</i>	
Azinphos methyl	Ethyl parathion
Carbophenothion	Fenitrothion
Chlorfenvinphos	Fonofos
Chlorpyrifos-ethyl	Methyl parathion
Chlorpyrifos-methyl	Malathion
Diazinon	Methidathion
Dichlorvos	Phosalone
Ethion	Pirimiphos-methyl

### Pesticide Mix #19

<b>AE-00029</b>	1 x 1 mL
<b>AE-00029-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Toluene</i>	
Chlorpyrifos-methyl	Fenitrothion
p,p'-DDT	Lindane
Deltamethrin	Methyl parathion
Dichlorvos	Phosalone
Dieldrin	Quintozene
Endosulfan sulfate	Tecnazene
Ethion	

### Pesticide Mix #20

<b>AE-00050</b>	1 x 1 mL
<b>AE-00050-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Ethyl acetate</i>	
Aldicarb	Isoproturon
Atrazine	γ-BHC
Bentazon	MCPA
Chlortoluron	MCPP acid
Cyanazine	Metazachlor
2,4-D	Metobromuron
Dichlorprop	Metoxuron
1,1-Dichloropropene	Sebutylazin
Endosulfan I	Simazine
Endosulfan II	Terbutylazine

### Pesticide Mix #21

<b>AE-00051</b>	1 x 1 mL
<b>AE-00051-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Cyclohexane</i>	
Aldrin	Endrin
p,p'-DDD	Heptachlor
p,p'-DDE	Heptachlor epoxide (isomer B)
o,p'-DDT	Hexachlorobenzene
p,p'-DDT	α-BHC
Dieldrin	β-BHC
Endosulfan I	γ-BHC
Endosulfan II	Methoxychlor

### Pesticide Mix #22

<b>AE-00052</b>	1 x 1 mL
<b>AE-00052-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Acetonitrile</i>	
Atrazine	Metoxuron
Desethyl atrazine	Propazine
Bromacil	Simazine
Chloridazon	Terbutylazine

### Pesticide Mix #23

<b>AE-00053</b>	1 x 1 mL
<b>AE-00053-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Acetonitrile</i>	
2,4-D	MCPA
2,4-DB	MCPB
Dichlorprop	MCPP acid

### Pesticide Mix #24

<b>AE-00054</b>	1 x 1 mL		
<b>AE-00054-10ML</b>	1 x 10 mL		
<i>At stated conc. (µg/mL) in Cyclohexane</i>			
Aldrin	0.2	α-BHC	0.15
p,p'-DDT	0.4	γ-BHC	0.15
Dieldrin	0.3	Heptachlor	0.2

### Pesticide Mix #25

<b>AE-00055</b>	1 x 1 mL
<b>AE-00055-10ML</b>	1 x 10 mL
<i>10 µg/mL each in Cyclohexane</i>	
α-BHC	γ-BHC
β-BHC	δ-BHC

### Pesticide Mix #26

<b>AE-00056</b>	1 x 1 mL
<b>AE-00056-10ML</b>	1 x 10 mL
<i>1 µg/mL each in Cyclohexane</i>	
α-BHC	δ-BHC
β-BHC	ε-BHC
γ-BHC	

### Pesticide Mix #27

<b>AE-00057</b>	1 x 1 mL
<b>AE-00057-10ML</b>	1 x 10 mL
<i>1 µg/mL each in Isooctane</i>	
α-BHC	p,p'-DDE
β-BHC	Dieldrin
γ-BHC	Endrin
δ-BHC	Heptachlor epoxide (Isomer B)
o,p'-DDD	Methoxychlor
p,p'-DDD	Mirex
o,p'-DDE	

# European and International - Pesticide Methods

## EN / DIN / ISO Pesticide Standards

### EN ISO 10695 Pesticide Mix

Water quality determination of selected organic nitrogen and phosphorous compound by GC.

**ENISO10695-PEST** 1 x 1 mL  
10 µg/mL each in Acetone 12 comps.

Atrazine	Propazine
Cyanazine	Sebuthylazin
Metazachlor	Simazine
Parathion	Terbuthylazine
Methyl parathion	Trifluralin
Pendimethalin	Vinclozolin

### EN ISO 11369 Pesticide Mix 20

Regulation DIN V 38407 Part 12 Method F12

**AE-00031** 1 x 1 mL  
**AE-00031-10ML** 1 x 10 mL  
10 µg/mL each in Ethyl acetate 17 comps.

Atrazine	Methabenzthiazuron
Chlortoluron	Metobromuron
Cyanazine	Metolachlor
Desethyl atrazine	Metoxuron
Hexazinone	Monolinuron
Isoproturon	Sebuthylazin
Diuron	Simazine
Linuron	Terbuthylazine
Metazachlor	

### ISO 6468 Pesticide Standard

Water quality determination of certain organochlorine insecticides, polychlorine biphenyls and chlorobenzenes by GC after liquid-liquid extraction.

**ISO6468-PEST** 1 x 1 mL  
10 µg/mL each in n-Hexane 19 comps.

α-BHC	Methoxychlor
β-BHC	Aldrin
γ-BHC	Dieldrin
δ-BHC	Endrin
o,p'-DDE	Heptachlor
p,p'-DDE	Heptachlor epoxide (Isomer A)
o,p'-DDT	Heptachlor epoxide (Isomer B)
o,p'-DDD	Endosulfan I
p,p'-DDD	Endosulfan II
p,p'-DDT	

### DIN 38407-2 Pesticide Standard

Determination of water, waste water and sludge for low volatile halogenated hydrocarbons by GC.

**DIN38407-2-PEST** 1 x 1 mL  
10 µg/mL each in n-Hexane 17 comps.

Aldrin	Endrin
p,p'-DDD	Heptachlor
o,p'-DDE	Heptachlor epoxide (Isomer A)
p,p'-DDE	Heptachlor epoxide (Isomer B)
o,p'-DDT	α-BHC
p,p'-DDT	β-BHC
Dieldrin	γ-BHC
Endosulfan I	Methoxychlor
Endosulfan II	

### DIN V 38407-11 Pesticide Mix

Determination of plant protection agents in water, wastewater and sludge.

**DINV38407-11-PST** 1 x 1 mL  
**DINV38407-11-PST-PAK** 5 x 1 mL  
5 µg/mL each in Acetonitrile 21 comps.

Alachlor	Monuron
Atrazine	Parathion
Chlorfenvinphos	Pendimethalin
Chlortoluron	Propazine
Cyanazine	Sebuthylazin
2,4-D	Simazine
MCPA acid	2,4,5-T
Metazachlor	Terbuthylazine
Metobromuron	Trifluralin
Metolachlor	Vinclozolin
Metoxuron	

### DIN 38407-14 Free Acid Mix

Examination of water, wastewater and sludge for phenoxyalkyl carbonic acids by GC and MS detection after solid-liquid extraction and derivatization.

**DIN38407-14-ACID** 1 x 1 mL  
500 µg/mL each in n-Hexane 8 comps.

Mecoprop acid	Fenoprop acid
MCPA acid	MCPB acid
Dichlorprop acid	2,4,5-T acid
2,4-D acid	2,4-DB acid

### DIN 38407-14 Methyl Esters Mix

Examination of water, wastewater and sludge for phenoxyalkyl carbonic acids by GC and MS detection after solid-liquid extraction and derivatization.

**DIN38407-14-ME** 1 x 1 mL  
500 µg/mL each in n-Hexane 8 comps.

Mecoprop methyl ester	Fenoprop methyl ester
MCPA methyl ester	MCPB methyl ester
Dichlorprop methyl ester	2,4,5-T methyl ester
2,4-D methyl ester	2,4-DB methyl ester

### DIN 38407-22 Glyphosate & AMPA

Examination of water, wastewater, and sludge for Glyphosate and Aminomethyl phosphonic acid (AMPA)

**DIN38407-22** 1 x 1 mL  
100 µg/mL each in Water 2 comps.

Glyphosate	Aminomethylphosphonic acid
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## Canadian Drinking Water - Brownfield Regulation

### Phenoxyacid Herbicides Mix

**CCME-CDW-PHERB** 1 x 1 mL  
1000 µg/mL each in Acetone 11 comps.

Bromoxynil
2,4-D
Dicamba
2,4-Dichlorophenol
Diclofop methyl
Dinoseb
Pentachlorophenol
Picloram
2,4,5-T
2,3,4,6-Tetrachlorophenol
2,4,6-Trichlorophenol

### Chlorinated Pesticide Mix

**CCME-CDW-CPEST** 1 x 1 mL  
200 µg/mL each in Hexane:Toluene (50:50) 14 comps.

Aldrin	4,4'-DDT
γ-BHC	Dieldrin
α-Chlordane	Heptachlor
γ-Chlordane	Heptachlor epoxide (Isomer B)
2,4'-DDE	Methoxychlor
4,4'-DDE	Oxychlorodane Isomer
2,4'-DDT	Trifluralin

### Carbamates Mix

**CCME-CDW-CARB** 1 x 1 mL  
100 µg/mL each in Acetonitrile 5 comps.

Aldicarb	Carbofuran
Bendiocarb	Triallate
Carbaryl	

## Korean Drinking Water Regulation

### Pesticide Mix

**KDWR-003-R1-PAK** **SAVE** 5 x 1 mL  
1000 µg/mL each in Acetonitrile 5 comps.

Carbaryl	Malathion
Diazinon	Parathion
Fenitrothion	



# Custom Formulations

## Custom Formulations

Custom Standards are an efficient way to meet your unique testing requirements if none of our catalog products meet your specific needs. With decades of expertise in formulating chemical reference standards, our chemists are able to design products that are uniquely manufactured to help you meet your testing requirements. Custom standards are formulated and prepared following our rigorous ISO 17034 and ISO 17025 accredited quality procedures. Our Technical Service team is available to provide support to ensure the product will be the best fit for your needs.

## Quality Control options

### Gravimetric/Volumetric Certification:

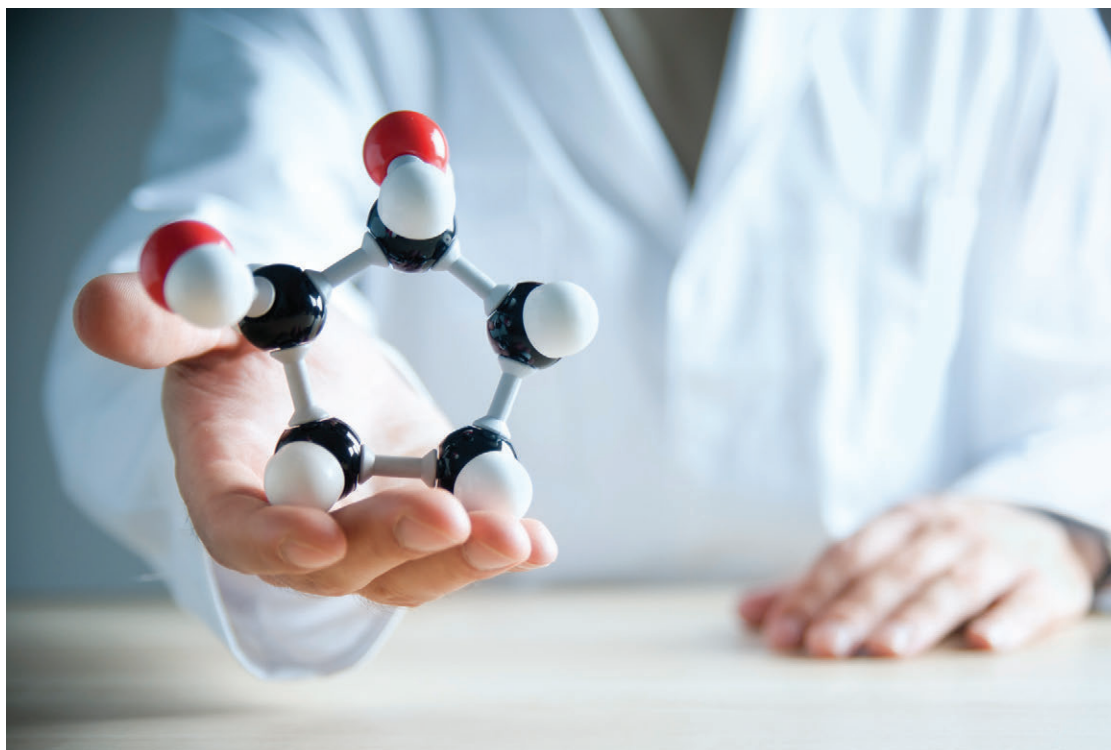
Each compound is measured gravimetrically and QC verified instrumentally (where applicable). Every component in the Standard will be within +/- 0.5% of the requested value unless otherwise stated on the Certificate of Analysis. The solutions are diluted to volume using Class A glassware. Certificate of Analysis accompanies each Standard and documents the gravimetric values used.

### Full Quantitative Certification:

This QA/QC method includes extended GC, GC/MS or LC analysis using both internal calibration standards plus statistical analysis.

**To request a custom formulation visit our website at:**

<https://www.accustandard.com/custom-quote-request> or  
contact our quotation specialist.



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1,1-bis(4-Chlorophenyl)ethylene	18	2-Oxoimidazolidine	60	Amdro	58	Benfuresate	7
1,2,3,4-Tetrachlorobenzene	100	2-Phenylphenol	81	Amctocradin	3	Benodanil	7
1,2,3,5-Tetrachlorobenzene	100	3-(1-Ethylpropyl)phenyl methylcarbamate	44	Ametryn	3, 111, 132	Benomyl	7
1,2,3,6-Tetrahydrophthalimide	100	3-(2,3-Dichlorophenyl)-1,1-dimethylurea	31	Amiben	15	Benoxacor	8
1,2,3-Trichlorobenzene	105	3,4,5-Trimethacarb	108	Amicarbazone	3	Bensecal	7
1,2,4,5-Tetrachlorobenzene	100	3,4,5-Trimethylphenyl methylcarbamate ester	108	Amidosulfuron	3	Bensulfuron-methyl	8
1,2,4-Triazole	104	3,4-DCPA	86	Aminocarb	3, 133	Bensulide	8, 133
1,2,4-Trichlorobenzene	105	3,5,6-Trichloro-2-pyridinol	105	Aminomethylphosphonic acid	3	Bensultap	8
1,2-Dibromo-3-chloropropane	30	3,5,6-Trichloro-2-pyridinol	105	Aminomethyl phosphonic acid (AMPA)	128	Bentazon	8, 133
1,2-Dihydro-3,6-pyridazinone	65	3,5,6-Trichloro-2-pyridyloxyacetic acid methyl ester	106	Aminopyralid	4	Bentazon methyl	8
1,2-Ethanediylbiscarbamodithioic acid, zinc complex	109	3,5-Dichloroaniline	31	Amisulbrom	4	Benthiavicalcarb-isopropyl	8
1-(3,4-Dichlorophenyl)-3-methylurea	32	3,5-Dichlorobenzenamine	31	Amitraz	4	Benthiocarb	102
1-(3-Chloro-4-methylphenyl)-3-methylurea	18	3,6-Endoxohexahydrophthalic acid	40	Amitrol	4	Benzobicyclon	8
1,3-Dimethyl-2-nitrobenzene	122	3-Chloro-1,2-propanediol	18	Amitrole (ATA)	4	Benzoximate	8
1,4-Dichlorobenzene	143	3-Cyclohexyl-5,6-trimethyleneuracil	64	Ammeline	111	Benzoylprop-ethyl	9
1-(4-Isopropylphenyl)-3-methylurea	63	3-Hydroxycarbofuran	58	Ammonium sulfamate	4	Benzyladenine	9
1-Bromo-2-nitrobenzene	139, 141	3-Isoxazolol	58	AMS	4	beta-Endosulfan	40
1-Naphthalene acetamide	74	3-Ketocarbofuran	64	Ancymidol	4	b-HCH	9
1-Naphthol	74	3-Methyl-4-nitrophenol	71	Anilazine	4, 111	BHC Tech	9
1-Naphthylacetic acid	75	3-sec-Amylphenyl N-Methylcarbamate	4	Anilofos	4	Bidirin	33
2-(2-Butoxyethoxy)ethyl thiocyanate	65	4,4'-DDD	27	Apache	13	Bifenazate	9
2,3,4,5-Tetrachloronitrobenzene	100	4,4'-DDE	27	APP-9-014-D-10X	143	Bifenox	9
2,3,5,6-Tetrachloronitrobenzene	100	4,4'-DDMU	27	Aramite	4, 143	Bifenthrin	9
2,3,5-Trichlorobenzoic acid	105	4,4'-DDT	28	Aroclor 1016	130	Binapacryl	10
2,3,5-Triiodobenzoic acid	107	4,4'-Dibromobiphenyl	123	Aroclor 1221	130	Bioallethrin	10
2,3,5-Trimethacarb	107	4,4'-Dibromooctafluorobiphenyl	124, 125, 142, 143	Aroclor 1232	130	Bioresmethrin	10
2,3-D	31	4,4'-Dichlorobenzophenone	31	Aroclor 1242	130	bis(2,3,3,3-Tetrachloropropyl) ether	93
2,3-Dichloronitrobenzene	31	4,4'-Dichlorobiphenyl	122	Aroclor 1248	130	bis(2-Ethylhexyl)adipate	44
2,3-Dichlorophenoxyacetic acid	31	4,4'-Thiodiphenol	102	Aroclor 1254	130	bis(Tributyltin)oxide	105
2,3-Dihydro-2,2-dimethylbenzofuran-7-ol	34	4,5,6,7-Tetrachlorophthalide	56	Aroclor 1260	130	Bitertanol	10
2,3-Diuron	31	4,6-Dinitro-o-cyclohexylphenol	36	Aroclor 1262	130	Bixafen	10
2,3-Diuron (3-(2,3-Dichlorophenyl)-1,1-dimethylurea)	111	4-Aminopyridine	4	Aroclor 1268	130	Bladex	22
2,4,5-T	97, 131, 142	4-Bromo-3,5-dimethylphenyl-N-methylcarbamate	127	Asana	41	Bloc	45
2,4,5-T butoxyethyl ester	97	4-Chloro-2-methylphenol	18	Aspon	5	Bolstar	96, 132
2,4,5-T methyl ester	97	4-Chloro-3-nitrobenzotrifluoride	139, 141	Asulam	5	Boltage	88
2,4,5-T n-butyl ester	97	4-Chloro-o-tolyloxyacetic acid, methyl ester	66	Asulox	5	Bomyl	10
2,4,5-TP	93, 131, 142	4-CPA	22	ATCP	82	Bonzil	78
2,4,5-TP methyl ester	94	4-Nitroanisole	75	Atraton	5, 111, 132	Boscalid	10
2,4,5-TP-PFB	134, 142	4-Tritylmorpholine	106	Atrazine	5, 111, 132	Botran	32
2,4,6-T	97	6-Chloropyridine-3-carboxylic acid	18, 110	Atrazine desethyl	5, 111	BPMC	46
2,4,6-Tribromophenol	140	6-Hydroxypyridine-3-carboxylic acid	58, 110	Atrazine-desethyl-2-hydroxy	5, 111	Bravecto	53
2,4,6-Trichlorophenol	105, 135, 136, 137	(E)-Pyriminobac-methyl	91	Atrazine-desethyl-desisopropyl	5, 111	Brodan	19
2,4-bis(Ethylamino)-6-diethylamino-s-triazine	43, 111	(Z)-Pyriminobac-methyl	91	Atrazine-desisopropyl-2-hydroxy	5, 111	Brodifacoum	10
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2,4-D Acid	25	Abamectin	1	Avid	1	Bromadiolone	11
2,4-DB	27, 131, 142	Abate	98	Axial	83	Bromfenacoum	10
2,4-DB methyl ester	27	Abathion	98	Azaconazole	5	Brominal	11
2,4-D butoxyethyl ester	26	a-BHC	9	Azad	6	Bromobutide	11
2,4-D butylglycol ester	26	a,a-Dibromo-m-xylene	139	Azadirachtin	6	Bromofenoxim	11
2,4'-DDD	27	Acarol	11	Azamethiphos	6	Bromofenoxim	11
2,4'-DDE	27	Accent	75	Azimsulfuron	6	Bromofenoxim	132
2,4'-DDT	28	Acenaphthene-d10	128	Azinphos-ethyl	6, 141	Bromofos-ethyl	11
2,4-D ethyl ester	26	Acephate	1	Azinphos-methyl	132	Bromophos	11
2,4-D ethylhexyl ester	26	Acequincocyl	1	Azinphos-methyl oxon	6	Bromophos-ethyl	11
2,4-Dichloro-6-ethylamino-1,3,5-triazine	31, 111	Acetamiprid	1, 110	Azocyclotin	6	Bromophos-methyl	11
2,4-Dichlorophenoxy acid 2-ethylhexyl ester	26	Acetochlor	1	Azodrin	73	Bromopropylate	11
2,4-Dichlorophenylacetic acid	32, 124, 125, 135, 142, 143	Acetochlor ESA sodium salt	1	Azophos	71	Bromoxynil	11
2,4-D isobutyl ester	26	Acetochlor OA sodium salt	1	Azoxybenzene	6	Bromoxynil-heptanoate	11
2,4-D methyl ester	26, 110	a-Chlordane	16	Azoxystrobin	6	Bromoxynil methyl ether	12
2,4-DMPF	36	Acibenzolar-S-methyl	1	<b>B</b>		Bromoxynil octanoate	12
2,4-DP	32	Acifluorfen	1	Balan	7	Bromuconazol	12
2,4-DP ethyl hexyl	39	Acifluorfen methyl ester	1	BAM	31	Bueno	74
2,4-D-PFB	134, 142	Aclonifen	2	Bancof	8	Bupirimate	12
2,4-MCPB	66	Acrinathrin	2	Banvel-D	30	Buprofezin	12
2,6-D acid	25	a-Cypermethrin	25	Barbamate	7	Busan	97
2,6-Dichlorobenzamide	31	Admiral	91	Barban	7, 133	Busan 40	84
2,6-Diisopropylphenylacetic acid	34	Afirm	1	Barnon	49	Butachlor	12
2,6-D methyl ester	26	Agritox	105	BAS 490 F	64	Butachlor ESA sodium salt	12
2-Amino-4,6-dichloro-1,3,5-triazine	3	a-HCH	9	Basagran	8	Butafenacil	12
2-Anilino-4,6-dimethylpyrimidine	90	Aim	17	Basic cupric chloride	21	Butam	98
2-Bromobiphenyl	139	Alachlor	2	Basitac	67	Butocarbexim	12
2-Chloro-2',6'-diethylacetanilide	17	Alachlor ESA sodium salt	2	Basudin	30	Butocarbexim sulfone	13
2-Chloro-4-ethylamino-6-methylethylamino-s-triazine	17, 111	Alachlor OA sodium salt	2	Batatan	48	Butocarbexim sulfoxide	12
2-Chloro-4-ethylamino-6-propylamino-s-triazine	17, 111	Alanap	2	Baycarb	46	Butofin	28
2-Chloro-4-methylamino-6-diethylamino-s-triazine	18, 111	Alar	26	Baycor	10	Butopyronoxyl	13
2-Chloro-4-methylamino-6-sec-butylamino-s-triazine	18, 111	Albendazole	2	Baygon	87, 133	Butoxycarbexim	13
2-Chloroethanol	17	Aldicarb	2	Bayleton	104	Butralin	13
2-Ethylthiomethyl phenol	44	Aldicarb sulfone	2	Baytex	48	Butroxydim	13
2-Hydroxyatrazine	58, 111	Aldicarb sulfoxide	2	Baythroid I	24	Buturon	13
2-Imidazolidone	60, 110	Aldoxycarb	2	b-BHC	9	Butylate	13
2-Isopropyl-4-methyl-6-pyrimidinol	63	Aldrin	2, 110	Beacon	84	<b>C</b>	
2-Isopropyl-6-methyl-4-pyrimidinol	63	Allethrin	3	Beam	106	Cacodylic acid	36
2-Isopropylamino-4,6-dichloro-s-triazine	63, 111	Allidochlor	3	Beflubutamid	7	Cadusafos	13
2-Methyl-4,6-dinitroanisole	70	Allisan	32	Belmark	49	Cafenstrole	13
2-Methyl-4,6-dinitrophenol	37	Alloxydim-sodium	3	Benalaxyl	7	Calcium arsenate	13
2-Monuron	74, 111	alpha-Endosulfan	40	Benazolin	7	Calirus	7
		Alphamethrin	25	Bendiocarb	7, 133	Calypto	101
		alpha-Thiodan	40	Benfenif	7	Camphechlor	104
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Carbetamide	14	Co-Ral	21	Denatonium benzoate	29	Dinoseb methyl ester	37
Carbofuran	14, 133	Cotoran	52	Desethyl atrazine	5	Dinoseb methyl ether	37
Carbofuran 3-hydroxy	58	Cottonex	52	Desethyl simazine	5	Dinotefuran	37, 110
Carbofuran-3-keto	64	Coumachlor	21	Desethylterbutylazine	99	Dinoterb	37
Carbofuran phenol	34	Coumaphos	21, 132	Desisopropylatrazine	5	Diocetyl adipate	44
Carbofuran phenol-3-ketone	14	Coumatetralyl	21	Desisopropyl desethyl atrazine	5	Dioxacarb	37
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Carboxin	14	Croneton	42	Devrinol	75	Diphenamid	38
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Carpropamid	15	Crotoxyphos	22	DFTPPO	129, 144	Dipropyl isocinchomeronate	73
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Casoron	30	Cumyluron	22	Dialifos	29	Disulfoton	38, 132
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Chloramben methyl ester	15	Cyanofenphos	22	Diazinon	30, 132	Disystron	38
Chloramizol	58	Cyanophos	23	Diazinon-O analog	30	Ditalimfos	38
Chlorantraniliprole	15	Cyanox	23	Diazoxon	30	Dithianon	38
Chlorbenside	15	Cyazofamid	23	Dibam	94	Dithiopyr	39
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Chlordene	16	Cycloprothrin	23	Dicaptan	30	DNTP	79
Chlordimeform	16	Cyclosulfamuron	24	Dicapthon	30	Dodemorph acetate	39
Chlorethoxyfos	16	Cycloxydim	24	Dichlobenil	30	Dodine	39
Chlorfenac	45	Cycloxydime	24	Dichlofenthiion	30	Doramectin	39
Chlorfenapyr	16	Cycluron	24	Dichlofluanid	30	DPA Sodium	39
Chlorfenson	16	Cyflufenamide	24	Dichlone	31	d-Phenothrin	96
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Chlorfluzuron	17	Cyfoxylate	24	Dichlorodiphenyltrichloroethane	28	d-trans-Allethrin	10
Chlorflurecol-methyl ester	17	Cygon	35	Dichloro-isopropyl-chlorantraniliprole	31	d-trans-Cyphenothrin	25
Chlorfluoreol-methyl	17	Cyhalofop-butyl	24	Dichlorophen	31	Dursban	19
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Chlorimuron-ethyl	17	Cyhexatin	24	Dichlorprop, 2-ethylhexyl ester	39	Dyfonate	39
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Chlorophos	105	Cyprodinil	25	Dicofol	32	Ekatin	102
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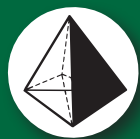
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