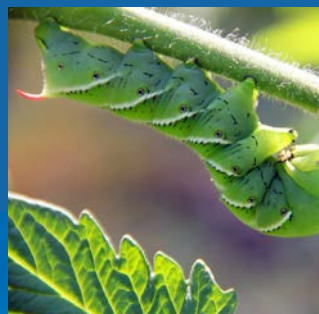


Pesticide Standards Reference Guide



AccuStandard®

Over 1,000 Standards from Abamectin to Ziram

Pesticide Desk Reference Guide

This guide includes the following information (if available):

- Chemical name
- Structure
- CAS number
- Molecular formula
- Molecular weight
- Physical state

Included for most:

- Solvent solubility
- Specific gravity
- Melting or Boiling point
- Flash point
- Common Synonyms

Purchased Standards versus In-house Standards

1. **Safety** - Using solutions rather than neat reduces the laboratory personnel's exposure to chemicals. Additionally, labs do not have to store and dispose of the neat materials.
2. **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.
3. **Cost effective** - Purchasing bulk bottles of pesticides, making the solution and disposing of the waste is usually more expensive than using a pre-made solution.

Some pesticides may require a ColdPAK for shipping to preserve the integrity of the product.



You Set the Standards
We make them!®

Custom pesticide formulations can be prepared for residue screening and other applications.

- CAS number index
- Most individual pesticide standards are available in neat and solution
- EPA, EU and other methodologies

Contact us for Synthesis of rare Pesticides and Metabolites

Pesticide Name

Chemical Name

Structure

Common Names (Synonyms and/or Common Names)

Property Key

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

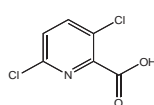
Solubility Key (SOL)

A	Acetone
CN	Acetonitrile (AcCN)
D	Dichloromethane
DMSO	Dimethyl sulfoxide
EA	Ethyl acetate
H	Hexane
IPA	Isopropanol
M	Methanol
MC	Methyl cellosolve
T	Toluene
TP	Isooctane
W	Water

Table of Contents

Individual Neats and Solutions (1000+) A to Z	1-107
Cannabis Analysis State and Regional Specific	110-111
Neonicotinoid and Fipronil Honeybee Colony Collapse Disorder (CCD)	112
Triazines and Metabolites	113-114
Pesticide / Herbicide Kits and Mixes	114
Methods	115-142
CLPs	116
EPA Method 500 Series	117-124
National Primary Drinking Water Standards	125
EPA Method 600 Series	126-128
EPA Method 1300 Series	129
EPA Method 1600 Series	130-132
EPA Method 8000 Series	133-139
Regional Methodologies	140-142
CAS, Name and Catalog Number Indexes	a-p

Sample Individual Pesticide

Lontrel	Chemical Name
3,6-Dichloropyridine-2-carboxylic acid	
	Synonym and/or Common Names
Clopyralid	
CAS 1702-17-6 MF C ₆ H ₃ Cl ₂ NO ₂ MW 192 PS S	
SG 1.61 g/cm ³ 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

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

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



Ordering Options

Information on Pesticides Catalog Numbers

Pesticide Catalog Numbers have 5 parts:

1. The initial **P**- specifies the product is a Pesticide.
2. The following 3 or 4 numbers are sequentially assigned, and are unique to the chemical.
3. The next character (**N or S**) specifies whether the product is Neat or in Solution.
4. “-” with letters specify a solvent other than Methanol (MeOH).
5. “-” with a number followed by an X specifies the concentration difference from the 100 µg/mL (ex: -10X is 1000 µg/mL). Check for availability.

Example: P-017S is Chlordane at 100 µg/mL in Methanol
P-017N is Chlordane neat (10 mg)
P-017S-H-10X is Chlordane at 1000 µg/mL in Hexane

Key to symbols appearing in the table:

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

Can't find a Pesticide?

Search AccuStandard.com by CAS number

Custom concentrations and solvents available

Purchasing Neat Pesticides

There are two ways to purchase neat standards: Nominal weight and exact weight (see box below). For your standard preparation (nominal or exact), rinse the sample out of the vial and cap with solvent and dilute to achieve the desired concentration. Unless specified, neat samples are provided with nominal weights. Typically, the vial contains approximately 10% more of the product, however, it is not known when you receive your standard what the exact amount is in the vial. Below is a standard procedure for removing all the neat material from the vial and determining the exact weight of the material in the vial.

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.



Ordering Exact Weight for neat pesticides

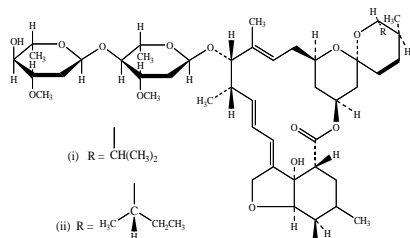
Neat pesticides are typically overfilled by approximately 10%, however, an exact weight is available for an additional charge. Specify X-WT when placing the order to take advantage of this service. A printout of the exact weight will be attached to the product label.

Rinse the pesticide out of the vial with the desired solvent and dilute to volume to get a weight/volume standard.



Abamectin

Avermectin B1a & B1b



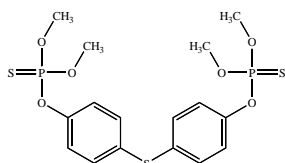
Affirm, Avid

CAS 71751-41-2 **MF** C₄₈H₇₂O₁₄ / C₄₇H₇₀O₁₄ **PS S**
MW 873.0 / 859.06 **SG** 1.18 g/cm³ **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

Abate

O,O,O',O'-Tetramethyl O,O'-thiodi-p-phenylene bis(phosphorothioate)



Temephos

CAS 3383-96-8 **MF** C₁₆H₂₀O₆P₂S₃ **MW** 466.47 **PS S**
SG 1.32 g/cm³ **MP** 30 °C **BP** Decomp. 120 °C
SOL M,A,D,H,CN,TP,EA

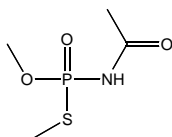
Matrix	Cat. No.	Unit
NEAT	P-101N	10 mg
100 µg/mL in MeOH	P-101S	1 mL

Acarol, see Bromopropylate

Accent, see Nicosulfuron

Acephate

O,S-Dimethyl acetylphosphoramidothioate



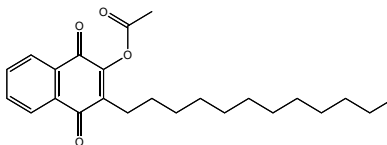
Orthene

CAS 30560-19-1 **MF** C₈H₁₀NO₃PS **MW** 183.17
PS S **SG** 1.35 g/cm³ **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

Acequinocyl

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

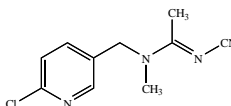


CAS 57960-19-7 **MF** C₂₄H₃₂O₄ **MW** 384.51 **PS S**
SG 1.13 g/cm³ **MP** 59-60 °C **BP** Decomp. 200 °C
SOL H,T,D,A,M,EA,IPA,CN,DMSO

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

Acetamidrid

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

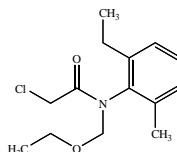


CAS 135410-20-7 **MF** C₁₀H₁₁ClN₄ **MW** 222.67
PS S **SG** 1.33 g/cm³ **MP** 98-99 °C **BP** Decomp. 200 °C
FP 167 °C **SOL** M,A,D,CN,EA,H

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

Acetochlor

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

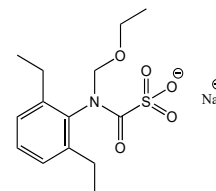


CAS 34256-82-1 **MF** C₁₄H₂₀ClNO₂ **MW** 269.77
PS L **SG** 1.12 g/cm³ **BP** 134 °C (0.4mm Hg)
FP >93 °C **SOL** M,A,D,H,T,CN,EA

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

Acetochlor ESA sodium salt

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

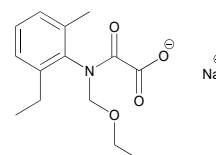


CAS 187022-11-3 **MF** C₁₃H₁₈NNaO₅S **MW** 323
PS S **SOL** A,CN,M

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

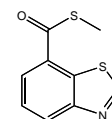


CAS N/A **MF** C₁₄H₂₀NNaO₅S **MW** 337.37 **SOL** M

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** C₈H₆N₂OS₂ **MW** 210.28
PS S **SG** 1.54 g/cm³ **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

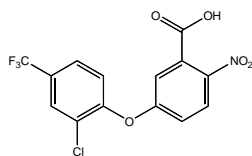
▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Pesticide Standards

Acifluorfen

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

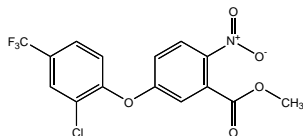


CAS 50594-66-6 **MF** C₁₄H₇ClF₃NO₅ **MW** 361.7
PS S SG 1.57 g/cm³ **MP** 150 °C
BP Decomp. 235 °C **FP** 209 °C **SOL** M,A,CN,D,H

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

Acifluorfen methyl ester

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

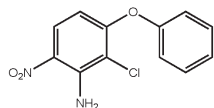


CAS 50594-67-7 **MF** C₁₅H₉ClF₃NO₅ **MW** 375.69
PS S SG 1.47 g/cm³ **MP** 53-54 °C **SOL** M

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

Aclonifen

2-Chloro-6-nitro-3-phenoxyaniline

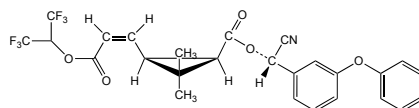


CAS 74070-46-5 **MF** C₁₂H₉ClN₂O₃ **MW** 264.66
PS S SG 1.45 g/cm³ **MP** 80-81 °C
BP Decomp. 297 °C **SOL** H,T,M,A

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

Acrinathrin

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



CAS 101007-06-1 **MF** C₂₆H₂₁F₆NO₅ **MW** 541.44
PS S SG 1.38 g/cm³ **MP** 81 °C
BP Decomp. 230 °C **SOL** H,A,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-842S-CN	1 mL

Admiral, see *Pyriproxyfen*

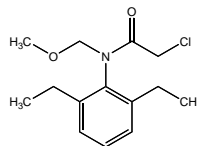
Affirm, see *Abamectin*

Agritox, see *Trichloronate*

Aim, see *Chlorfluazuron*

Alachlor

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



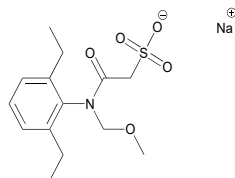
Lasso

CAS 15972-60-8 **MF** C₁₄H₂₀ClNO₂ **MW** 269.77
PS S SG 1.12 g/cm³ **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

Alachlor ESA sodium salt

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

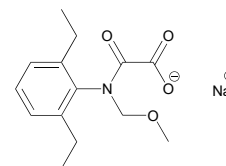


CAS 140939-15-7 **MF** C₁₄H₂₀NNaO₅S **PS S**
MW 337.37 **SOL** A,M,CN

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

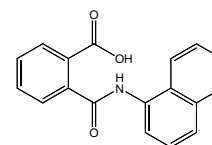


CAS N/A **MF** C₁₄H₁₈NO₄Na **MW** 287 **PS S**
MP 215 °C **SOL** M

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

Alanap

N-(1-Naphthyl)phthalamic acid



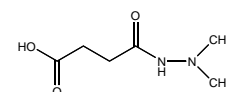
Naptalam

CAS 132-66-1 **MF** C₁₈H₁₃NO₃ **MW** 291.32 **PS S**
SG 1.40 g/cm³ **MP** 185 °C **SOL** M,A,H

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

Alar (SADH)

N-Dimethylaminosuccinamic acid



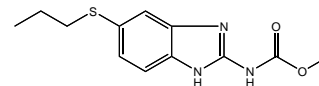
Daminozide, SADH

CAS 1596-84-5 **MF** C₈H₁₂N₂O₃ **MW** 160.2 **PS S**
SG 1.18 g/cm³ **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

Albendazole

Methyl-5-(propylthio)-2-benzimidazolecarbamate



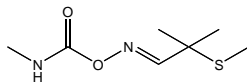
CAS 54965-21-8 **MF** C₁₄H₁₅N₃O₂S **MW** 265.33
PS S SG 1.30 g/cm³ **MP** 209 °C **SOL** M,CN

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



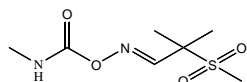
Temik

CAS 116-06-3 **MF** C₇H₁₄N₂O₂S **MW** 190.29 **PS** S
SG 1.20 g/cm³ **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

Aldicarb sulfone

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



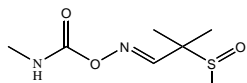
Aldoxycarb

CAS 1646-88-4 **MF** C₇H₁₄N₂O₃S **MW** 222.26
PS S **SG** 1.23 g/cm³ **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)propanol o-[(methylamino)carbonyl]



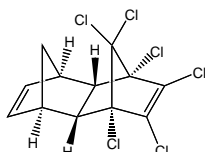
CAS 1646-87-3 **MF** C₇H₁₄N₂O₃S **MW** 206.26
PS S **SG** 1.21 g/cm³ **MP** 98-100 °C **SOL** M,A,CN

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

Aldoxycarb, see *Aldicarb sulfone*

Aldrin

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



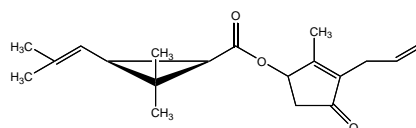
Octalene

CAS 309-00-2 **MF** C₁₂H₈Cl₆ **MW** 364.9 **PS** S
SG 1.6 g/cm³ **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

Allethrin

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



Esbiothrin

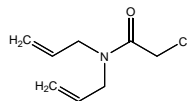
CAS 584-79-2 **MF** C₁₉H₂₆O₃ **MW** 302.45 **PS** L
SG 1.00 g/cm³ **BP** 140 °C (0.1mm Hg) **FP** 87 °C
SOL M,A,D,H,CN,H,T,EA

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

d-trans-Allethrin, see *Bioallethrin d-trans-allethrin*

Allidochlor

N,N-Diallyl-2-chloroacetamide



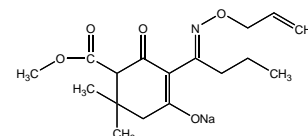
Randox

CAS 93-71-0 **MF** C₈H₁₂ClNO **MW** 173.66 **PS** L
SG 1.09 g/cm³ **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

Alloxydim-sodium

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



CAS 55635-13-7 **MF** C₁₇H₂₄NO₅Na **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 MeOH	P-510S	1 mL

Alphamethrin, see *a-Cypermethrin*

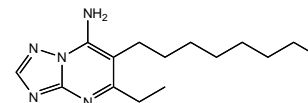
Altacor, see *Chlorantraniliprole*

Amber, see *Triasulfuron*

Amdro, see *Hydramethlnon*

Ametoctradin

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

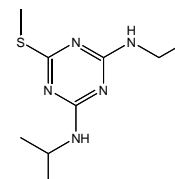


CAS 865318-97-4 **MF** C₁₅H₂₅N₅ **MW** 275.39
PS S **SG** 1.12 g/cm³ **MP** 198 °C
BP Decomp. 234 °C **SOL** M,T,EA,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1039S	1 mL

Ametryn

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



CAS 834-12-8 **MF** C₉H₁₇N₃S **MW** 227.33 **PS** S
SG 1.18 g/cm³ **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

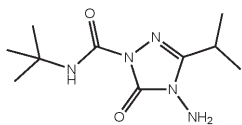
Amiben, see *Chloramben*



Pesticide Standards

Amicarbazone

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

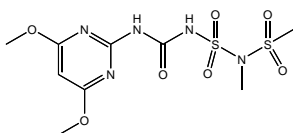


CAS 129909-90-6 MF C₁₀H₁₉N₅O₂ MW 241.29
PS S SG 1.12 g/cm³ MP 138 °C
SOL W,IPA,EA,DMSO,A,CN,D

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

Amidosulfuron

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



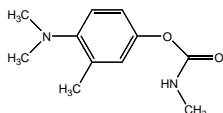
Gratil

CAS 120923-37-7 MF C₉H₁₅N₅O₇S₂ MW 369.38
PS S SG 1.50 g/cm³ MP 160-163 °C
SOL A,EA,T,H,M,CN

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

Aminocarb

4-Dimethylamino-m-tolyl methylcarbamate

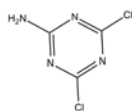


Metacil

CAS 2032-59-9 MF C₁₁H₁₆N₂O₂ MW 208.29
PS S SG 1.10 g/cm³ 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

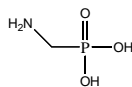
2-Amino-4,6-dichloro-1,3,5-triazine



CAS 933-20-0 MF C₁₃H₂Cl₂N₄ MW 164.98 PS S
SG N/A MP 239-241 °C SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1444S-CN	1 mL

Aminomethyl phosphonic acid

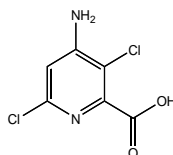


CAS 1066-51-9 MF CH₆NO₃P MW 111.04
PS S SG 1.64 g/cm³ MP 300 °C SOL W

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

Aminopyralid

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

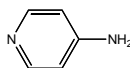


CAS 150114-71-9 MF C₆H₄Cl₂N₂O₂ MW 207.01
PS S SG 1.76 g/cm³ MP 163-164 °C
BP Decomp. 334 °C SOL A,EA,M,CN

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

4-Aminopyridine

4-Pyridamine



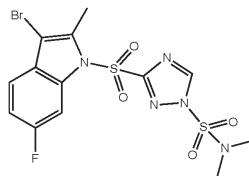
Amitrol

CAS 504-24-5 MF C₅H₆N₂ MW 94.12 PS S
SG 1.15 g/cm³ 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-di-methyl-1,2,4-triazole-1-sulfonamide

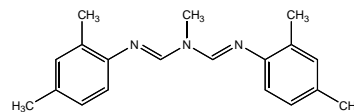


CAS 348635-87-0 MF C₁₃H₁₃BrFN₅O₄S₂ MW 466.31
PS S SG 1.85 g/cm³ MP 128-130 °C
BP Decomp. 242 °C SOL H,T,M,TP

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-998S	1 mL

Amitraz

N-Methylbis(2,4-xylyliminomethyl)amine



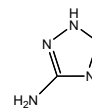
CAS 33089-61-1 MF C₁₉H₂₃N₃ MW 293.45 PS S
SG 1.13 g/cm³ MP 86-88 °C BP Decomp.
SOL M,A,CN,EA,T

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

Amitrol, see 4-Aminopyridine

Amitrole (ATA)

3-Aminotriazole

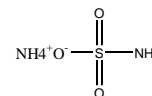


ATA, Diurol

CAS 61-82-5 MF C₂H₃N₃ MW 84.1 PS S
SG 1.14 g/cm³ 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 H₃N₂O₃S MW 114.1 PS S
SG 1.01 g/cm³ MP 132-135 °C BP 160 °C SOL M,W

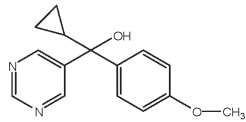
Matrix	Cat. No.	Unit
NEAT	P-530N	10 mg
100 µg/mL in MeOH	P-530S	1 mL

AMS, see Ammonium sulfamate



Ancymidol

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

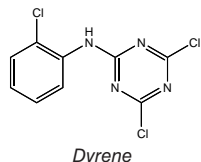


CAS 12771-68-5 **MF** C₁₅H₁₆N₂O₂ **MW** 256.3 **PS** S
SG 1.26 g/cm³ **MP** 110-111 °C **BP** Decomp.
SOL M,A,H

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



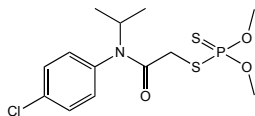
CAS 101-05-3 **MF** C₉H₅Cl₃N₄ **MW** 275.52 **PS** S
SG 1.61 g/cm³ **MP** 159-160 °C **BP** Decomp. 460 °C
SOL D,H,T,IPA,A

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

2-Anilino-4,6-dimethylpyrimidine, see *Pyrimethanil*

Anilofos

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



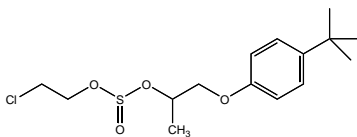
CAS 64249-01-0 **MF** C₁₃H₁₉ClNO₂PS₂ **MW** 367.85
PS S **SG** 1.27 g/cm³ **MP** 51-53 °C
BP Decomp. 150 °C **SOL** T,A,EA,H,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-973S-CN	1 mL

Apache, see *Cadusafos*

Aramite

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



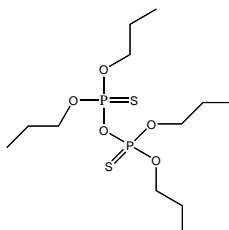
CAS 140-57-8 **MF** C₁₅H₂₃ClO₂S **MW** 334.86 **PS** L
SG 1.19 g/cm³ **BP** 175 °C (0.1mm Hg) **FP** 212 °C
SOL M,A,D,H,CN

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

Asana, see *Esfenvalerate*

Aspon

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



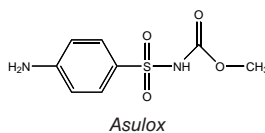
CAS 3244-90-4 **MF** C₁₂H₂₈O₄P₂S₂ **MW** 378.46
PS L **SG** 1.12 g/cm³ **BP** 375 °C **SOL** M,D,H,CN

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

Assure, see *Quizalofop ethyl*

Asulam

Methyl sulfanylcarbamate



CAS 3337-71-1 **MF** C₈H₁₀N₂O₂S **MW** 230.26 **PS** S
SG 1.42 g/cm³ **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

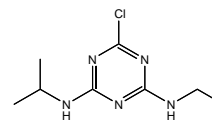
Asulox, see *Asulam*

ATCP, see *Picloram*

Atraton, see *Gesatamine*

Atrazine

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

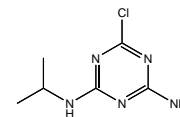


CAS 1912-24-9 **MF** C₈H₁₄ClN₅ **MW** 215.68 **PS** S
SG 1.23 g/cm³ **MP** 176 °C **BP** Decomp. **FP** 177 °C
SOL M,A,D,H,T,CN,TP,EA

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

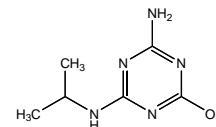


CAS 6190-65-4 **MF** C₈H₁₀ClN₅ **MW** 187.63 **PS** S
SG 1.38 g/cm³ **MP** 130-133 °C
SOL M,A,D,H,T,CN,EA

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** C₈H₁₁N₅O **MW** 169.18
PS S **SG** 1.51 g/cm³ **MP** >310 °C **FP** >100 °C
SOL M

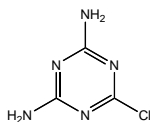
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-544S	1 mL



Pesticide Standards

Atrazine-desethyl-desisopropyl

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



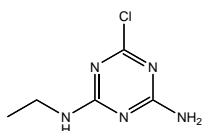
Desisopropyl desethyl atrazine

CAS 3397-62-4 **MF** C₃H₄ClN₃ **MW** 145.55 **PS** S
MP 320 °C

Matrix	Cat. No.	Unit
NEAT	P-428N	10 mg
100 µg/mL in MeOH	P-428S	1 mL

Atrazine-desisopropyl

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



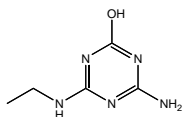
Desethyl simazine, Desisopropylatrazine

CAS 1007-28-9 **MF** C₅H₈N₃Cl **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** C₅H₉N₃O **MW** 155.16 **PS** L
MP >310 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-344N	10 mg
100 µg/mL in MeOH	P-344S	1 mL

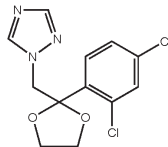
Atrazine-methoxy, see Gesatamine

Avid, see Abamectin

Axial, see Pinoxaden

Azaconazole

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



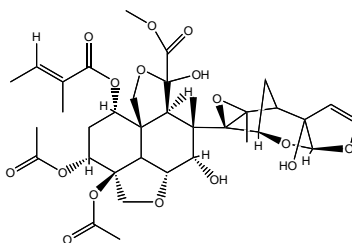
CAS 60207-31-0 **MF** C₁₂H₁₁Cl₂N₃O₂ **MW** 300.14
PS S **SG** 1.55 g/cm³ **MP** 112 °C
SOL A,H,M,T,CN,W

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

Azad, see Azadirachtin

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]oxiren[e]oxepin-1a(2H)-yl]-4-methyl-8-[(2E)-2-methylbut-2-enoyloxy]octahydro-1H-naphtho[1,8a-c:4,5-b'c']difuran-5,10a(8H)-dicarboxylate



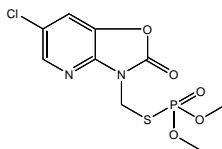
Azad

CAS 11141-17-6 **MF** C₃₉H₄₄O₁₆ **MW** 720.71 **PS** S
SG 1.51 g/cm³ **MP** 165 °C **SOL** T,M,A,EA,CN,W

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

Azamethiphos

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

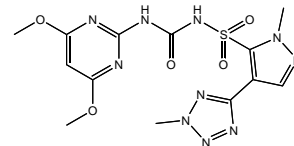


CAS 35575-96-3 **MF** C₉H₈ClN₂O₃PS **MW** 324.68
PS S **SG** 1.60 g/cm³ **MP** 89 °C **FP** >150 °C
SOL M,CN,D

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

Azimsulfuron

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

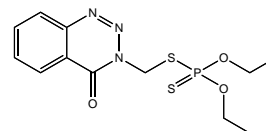


CAS 120162-55-2 **MF** C₁₃H₁₆N₁₀O₅S **MW** 424.40
PS S **SG** 1.12 g/cm³ **MP** 170 °C
BP Decomp. 180 °C **SOL** A,EA,M,T,CN,D

Matrix	Cat. No.	Unit
50 µg/mL in AcCN	P-1036S-CN-0.5X	1 mL

Azinphos-ethyl

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



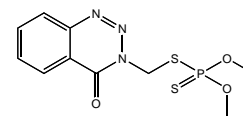
Ethyl azinphos

CAS 2642-71-9 **MF** C₇H₁₂N₄O₃PS₂ **MW** 345.38
PS S **SG** 1.28 g/cm³ **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

Azinphos-methyl

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

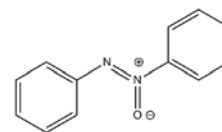


Guthion

CAS 86-50-0 **MF** C₁₀H₁₂N₄O₃PS₂ **MW** 317.33
PS S **SG** 1.52 g/cm³ **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 Hexane	P-007S-H-10X	1 mL

Azoxybenzene



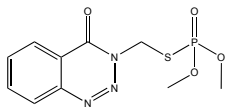
CAS 495-48-7 **MF** C₁₂H₁₀N₂O **MW** 198.22 **PS** S
SG 1.16 g/cm³ **MP** 36 °C **BP** Decomp. before boiling
SOL CN,M

Matrix	Cat. No.	Unit
NEAT	P-1458N	10 mg



Azinphos-methyl oxon

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

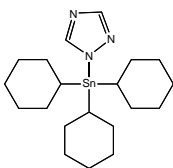


CAS 961-22-8 MF C₁₀H₁₂N₃O₄PS MW 301.26
SOL T,A,CN

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 C₂₀H₃₅N₃Sn MW 436.27 PS S
SG 1.34 g/cm³ MP 210 °C (decomp.) FP 249 °C
SOL D,IPA,H,T,M,CN

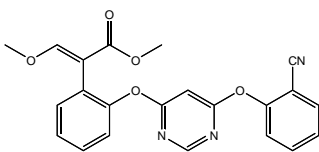
Matrix	Cat. No.	Unit
NEAT	P-353N	10 mg
100 µg/mL in MeOH	P-353S	1 mL

Azodrin, see Monocrotophos

Azophos, see Methyl parathion

Azoxystrobin

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



Pyroxystrobin

CAS 131860-33-8 MF C₂₂H₁₇N₃O₅ MW 403.39
PS S SG 1.33 g/cm³ 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

Balan, see Benfluralin

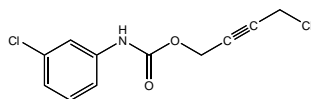
BAM, see 2,6-Dichlorobenzamide

Bancol, see Bensultap

Banvel-D, see Dicamba

Barbamate

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



Barban

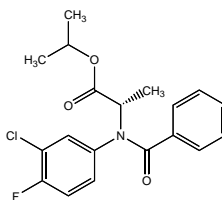
CAS 101-27-9 MF C₁₁H₉Cl₂NO₂ MW 258.11 PS S
SG 1.39 g/cm³ MP 75 - 76 °C SOL M,A,D,CN,EA

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

Barban, see Barbamate

Barnon

Isopropyl-N-benzoyl-N-(3-chloro-4-fluorophenyl)-DL-alanine



Flamprop-isopropyl

CAS 52756-22-6 MF C₉H₉ClFNO₂ MW 363.84
PS S SG 1.31 g/cm³ FP >100 °C SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-646N	10 mg
100 µg/mL in MeOH	P-646S	1 mL

BAS 490 F, see Kresoxim-methyl

Basagran, see Bentazon

Basic cupric chloride, see Copper oxychloride

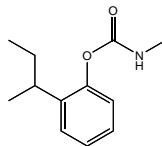
Basitac, see Mepronil

Basudin, see Diazinon

Basatan, see Fentin acetate

Baycarb

2-sec-Butylphenyl methylcarbamate



BPMC, Fenobucarb

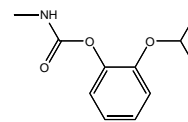
CAS 3766-81-2 MF C₁₂H₁₇NO₂ MW 207.3 PS L,S
SG 1.02 g/cm³ MP 32 °C BP Decomp. FP 142 °C
SOL A,T,D,EA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-347N	10 mg
100 µg/mL in MeOH	P-347S	1 mL

Baycor, see Bitertanol

Baygon

2-Isopropoxyphenyl methylcarbamate



Propoxur

CAS 114-26-1 MF C₁₁H₁₅NO₃ MW 209.24 PS S
SG 1.17 g/cm³ 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

Bayleton, see Triadimefon

Baytex, see Fenthion

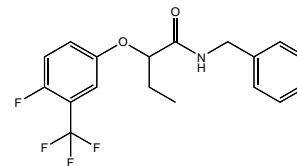
Baythroid I, see Cyfluthrin

Beacon, see Primisulfuron-methyl

Beam, see Tricyclazole

Beflubutamid

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



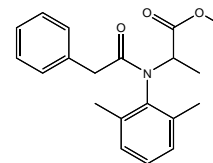
CAS 113614-08-7 MF C₁₈H₁₇F₄NO₂ MW 355.33
PS S SG 1.33 g/cm³ MP 75 °C
BP Decomp. 128 °C FP >128 °C SOL A,EA,M

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

Belmark, see Fenvalerate

Benalaxyl

Methyl N-phenylacetyl-N-2,6-xyllyl-DL-alanine



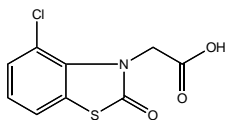
CAS 71626-11-4 MF C₂₀H₂₃NO₃ MW 325.4 PS S
SG 1.27 g/cm³ MP 79 °C SOL M,A,T,CN,EA

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



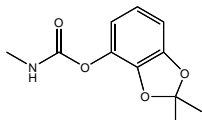
Bensecal, Metizolin, Tillox

CAS 3813-05-6 **MF** C₉H₆ClNO₃ **MW** 243.67
PS S **SG** 1.63 g/cm³ **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

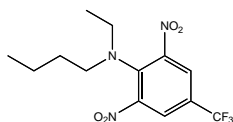
CAS 22781-23-3 **MF** C₁₁H₁₃NO₄ **MW** 223.23
PS S **SG** 1.25 g/cm³ **MP** 130 °C **FP** >100 °C
SOL M,A,D,H,T,CN,EA,W

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

Benefin, see Benfluralin

Benfluralin

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



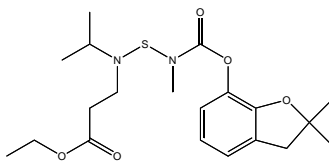
Balan, Benefin

CAS 1861-40-1 **MF** C₁₃H₁₈F₃N₃O₄ **MW** 335.28
PS S **SG** 1.28 g/cm³ **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

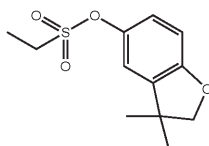


CAS 82560-54-1 **MF** C₂₀H₃₀N₂O₅S **MW** 410.5 **PS L**
SG 1.15 g/cm³ **BP** 110 °C (0.023mm Hg)
FP 114 °C **SOL** A,M,H,CN,EA,D

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

Benfuresate

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

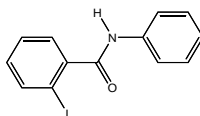


CAS 68505-69-1 **MF** C₁₂H₁₆O₄S **MW** 256.32 **PS S**
SG 0.96 g/cm³ **MP** 30-31 °C **BP** 241 °C **FP** 38 °C
SOL D,A,T,M,EA,H,W

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

Benodanil

2-Iodobenzanilide



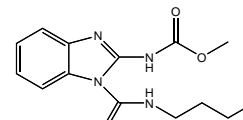
Calirus

CAS 15310-01-7 **MF** C₁₃H₁₀INO **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

Benomyl

Methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate



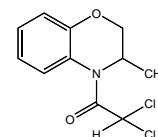
Fundazol

CAS 17804-35-2 **MF** C₁₄H₁₈N₄O₃ **MW** 290.32 **PS S**
SG 1.28 g/cm³ **MP** 140 °C **SOL** M,A,CN

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

Benoxacor

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



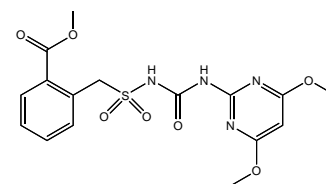
CAS 98730-04-2 **MF** C₁₁H₁₁Cl₂NO₂ **MW** 260.12
PS S **SG** 1.52 g/cm³ **MP** 107 °C **FP** 185 °C
SOL A,D,I,M,H,EA,CN,T

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

Bensecal, see Benazolin

Bensulfuron-methyl

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



Londax

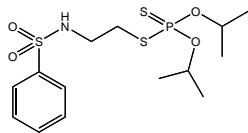
CAS 83055-99-6 **MF** C₁₆H₁₈N₄O₇S **MW** 410.4 **PS S**
SG 1.44 g/cm³ **MP** 185-188 °C **BP** Decomp. 245 °C
SOL A,D,EA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-597N	10 mg
100 µg/mL in MeOH	P-597S	1 mL



Bensulide

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

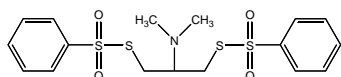


CAS 741-58-2 **MF** C₁₄H₂₄N₂O₄PS₃ **MW** 397.54
PS S **SG** 1.23 g/cm³ **MP** 34 °C **FP** >104 °C
SOL M,A,H,CN,EA

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)



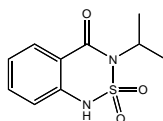
Bancol

CAS 17606-31-4 **MF** C₁₇H₂₁N₂O₄S₂ **MW** 431.63
PS S **SG** 1.35 g/cm³ **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



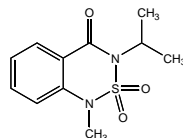
Basagran

CAS 25057-89-0 **MF** C₁₀H₁₂N₂O₃S₂ **MW** 240.28
PS S **SG** 1.41 g/cm³ **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 AcCN	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

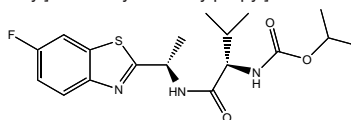


CAS 61592-45-8 **MF** C₁₁H₁₄N₂O₃S₂ **MW** 254.31
PS S **MP** 45 °C **SOL** M

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]

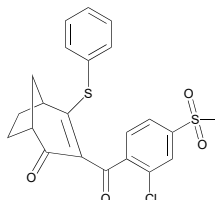


CAS 177406-68-7 **MF** C₁₈H₂₄FN₃O₃S₂ **MW** 381.47
PS S **SOL** A, EA **SG** 1.25 g/cm³ **MP** 153-154 °C
BP Decomp. 240 °C

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

Benzobicyclon

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

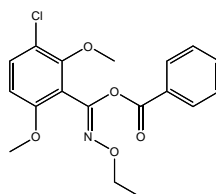


CAS 156963-66-5 **MF** C₂₂H₁₉ClO₄S₂ **MW** 446.96
PS S **SG** 1.45 g/cm³ **MP** 187 °C **SOL** CN

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

Benzoximate

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



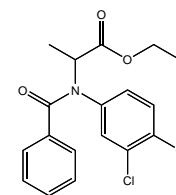
CAS 29104-30-1 **MF** C₁₈H₁₆ClNO₅ **MW** 363.79
PS S **SG** 1.30 g/cm³ **MP** 73 °C **BP** Decomp.
SOL H,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-801S-CN	1 mL

Benthiocarb, see **Thiobencarb**

Benzoylprop-ethyl

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



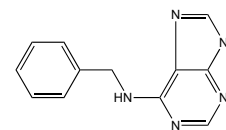
Suffix

CAS 22212-55-1 **MF** C₁₈H₁₇Cl₂NO₃ **MW** 366.26
PS S **SG** 1.30 g/cm³ **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

Benzyladenine

6-Benzylaminopurine

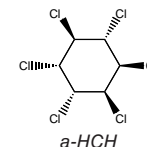


CAS 1214-39-7 **MF** C₁₂H₁₁N₅ **MW** 225.25 **PS S**
MP 230-233 °C **SOL** CN,M

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

a-BHC

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



a-HCH

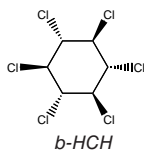
CAS 319-84-6 **MF** C₆H₆Cl₆ **MW** 290.83 **PS S**
SG 1.88 g/cm³ **MP** 159 °C
SOL M,A,D,H,T,CN,TP,EA

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



b-BHC

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

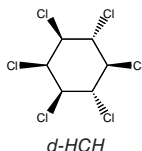


CAS 319-85-7 **MF** C₆H₆Cl₆ **MW** 290.83 **PS** S
SG 1.88 g/cm³ **MP** 309 °C **FP** >120 °C
SOL M,A,D,H,T,CN,TP,EA

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

d-BHC

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



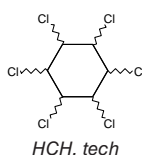
CAS 319-86-8 **MF** C₆H₆Cl₆ **MW** 290.83 **PS** S
SG 1.88 g/cm³ **MP** 141-142 °C
SOL M,A,D,H,T,CN,TP,EA

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

g-BHC, see Lindane

BHC Tech

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



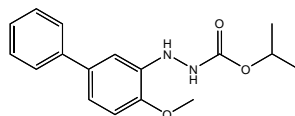
CAS 608-73-1 **MF** C₆H₆Cl₆ **MW** 290.83 **PS** S
SG 1.87 g/cm³ **MP** 150-160 °C **SOL** M,A,CN

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

Bidrin, see Dicrotophos

Bifenazate

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

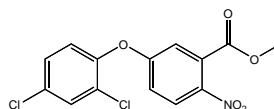


CAS 149877-41-8 **MF** C₁₇H₁₉N₂O₃ **MW** 300.35
PS S **SG** 1.31 g/cm³ **MP** 123-125 °C
BP Decomp. 240 °C

Matrix	Cat. No.	Unit
NEAT	P-772N-5MG	5 mg
100 µg/mL in MeOH	P-772S	1 mL

Bifenox

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

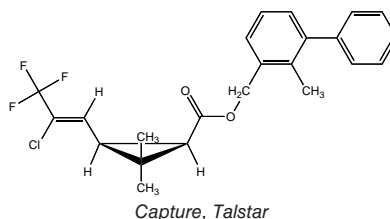


CAS 42576-02-3 **MF** C₁₄H₉Cl₂NO₃ **MW** 342.13
PS S **SG** 1.46 g/cm³ **MP** 86 °C
BP Decomp. 399 °C **SOL** M,D,T,A,CN

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

Bifenthrin

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

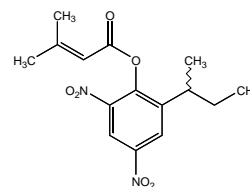


CAS 82657-04-3 **MF** C₂₃H₂₂ClF₃O₂ **MW** 422.9
PS S **SG** 1.21 g/cm³ **MP** 58-60 °C **FP** 165 °C
BP Decomp. 280 °C **SOL** M,A,T,CN,TP,EA,D

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

Binapacryl

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

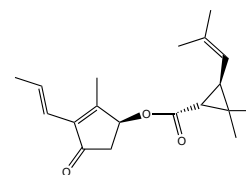


CAS 485-31-4 **MF** C₁₅H₁₈N₂O₆ **MW** 322.31 **PS** S
SG 1.24 g/cm³ **MP** 70 °C **BP** Decomp. **FP** >100 °C
SOL M,CN,A,H

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

S-Bioallethrin

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

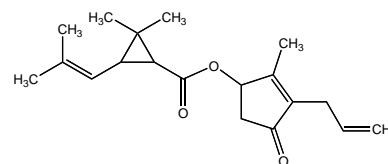


CAS 28434-00-6 **MF** C₁₉H₂₆O₃ **MW** 302.41 **PS** L
SG 1.01 g/cm³ **BP** 165-170 °C (0.15mm Hg)
FP 113 °C **SOL** M,T,A,D,H,EA,M

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

Bioallethrin d-trans-allethrin

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



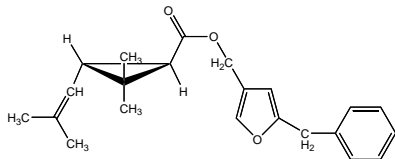
CAS 28057-48-9 **MF** C₁₉H₂₆O₃ **MW** 302.41 **PS** L
SG 1.12 g/cm³ **BP** 329-338 °C (0.15mm Hg)
FP 87 °C **SOL** A,EA,H,T,D,CN

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



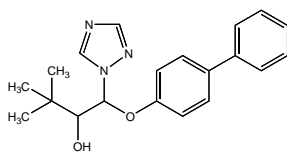
CAS 28434-01-7 MF C₂₂H₂₆O₃ MW 338.44 PS L
SG 1.05 g/cm³ MP 32 °C BP Decomp. 180 °C
FP 92 °C SOL A,D,EA,T,H,M,CN

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

Bis(2,3,3,3-tetrachloropropyl) ether, see S421

Bitertanol

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



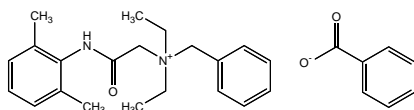
Baycor, Sibutol

CAS 55179-31-2 MF C₂₅H₂₉N₃O₂ MW 337.42 PS S
SG 1.14 g/cm³ 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

Bitrex

Benzyl-diethyl((2,6-xylyl)carbamoyl)methyl ammonium benzoate



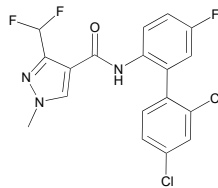
Denatonium benzoate

CAS 3734-33-6 MF C₂₁H₂₉N₂O₂·C₇H₅O₂ MW 446.64
PS S SG 0.79 g/cm³ 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

Bixafen

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



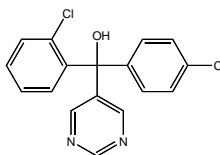
CAS 581809-46-3 MF C₁₈H₁₂Cl₂F₃N₃O MW 414.21
PS S MP 147 °C BP decomp. 250 °C
SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1186S-CN	1 mL
1000 µg/mL in AcCN	P-1186S-CN-10X	1 mL

Bladex, see Cyanazine

Bloc

2,4'-Dichloro-alpha-(pyrimidine-5-yl)benzhydralcohol



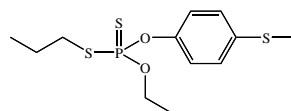
Fenarimol

CAS 60168-88-9 MF C₁₇H₁₂Cl₂N₂O MW 331.2
PS S SG 1.40 g/cm³ 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

Bolstar

O-Ethyl O-4-(methylthio)phenyl S-propyl phosphorodithioate



Sulprofos

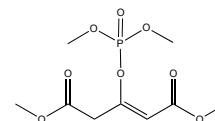
CAS 35400-43-2 MF C₁₂H₁₉O₂PS₂ MW 322.46
PS L SG 1.20 g/cm³ BP 155-158 °C (0.01mm Hg)
FP 64 °C SOL M,A,D,H,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-108N	10 mg
100 µg/mL in MeOH	P-108S	1 mL
1000 µg/mL in Hexane	P-108S-H-10X	1 mL

Boltage, see Pyraclofos

Bomyl

Dimethyl 3-((dimethoxyphosphinyl)oxy)-2-pentene-dioate



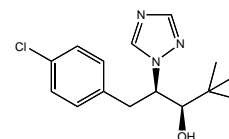
Swat

CAS 122-10-1 MF C₉H₁₅O₈P MW 282.19 PS L
SG 1.2 g/cm³ BP 155-164 °C (17mm Hg) SOL M,A

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

Bonzi

(2RS,3RS)-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pentan-3-ol



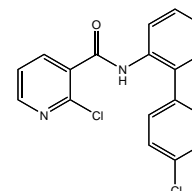
Clipper, Paclobutrazol

CAS 76738-62-0 MF C₁₆H₂₀ClN₃O MW 293.83
PS S SG 1.22 g/cm³ 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

Boscalid

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



Nicobifen

CAS 188425-85-6 MF C₁₈H₁₂Cl₂N₂O MW 343.21
PS S SG 1.37 g/cm³ MP 143-144 °C
BP Decomp. 300 °C SOL M,A,T,CN,EA

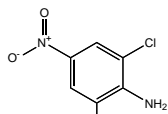
Matrix	Cat. No.	Unit
NEAT	P-811N	10 mg
100 µg/mL in MeOH	P-811S	1 mL



Pesticide Standards

Botran

2,6-Dichloro-4-nitroaniline



Dichloran

CAS 99-30-9 **MF** C₆H₄Cl₂N₂O₂ **MW** 207.01 **PS** S
SG 0.28 g/cm³ **MP** 195 °C **BP** 130 °C (2mm Hg)
SOL M,A,D,H,T,CN,TP,EA

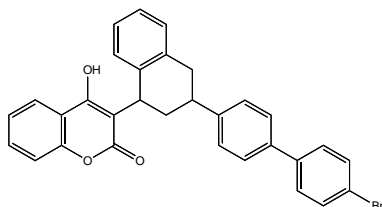
Matrix	Cat. No.	Unit
NEAT	P-013N	10 mg
100 µg/mL in MeOH	P-013S	1 mL

BPMC, see Baycarb

Brodan, see Dursban

Brodifacoum

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



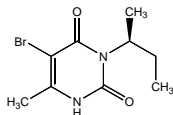
Bromfenacoum

CAS 56073-10-0 **MF** C₃₁H₂₃BrO₃ **MW** 523.45
PS S **SG** 1.43 g/cm³ **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

Bromacil

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

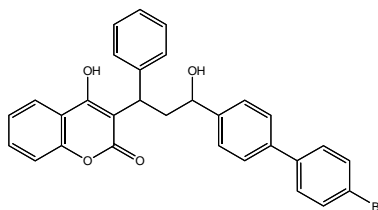


CAS 314-40-9 **MF** C₉H₁₃BrN₂O₂ **MW** 261.12 **PS** S
SG 1.55 g/cm³ **MP** 158 °C **BP** Decomp.
SOL M,A,D,H,T,CN,EA,W

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

Bromadiolone

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



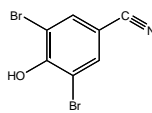
CAS 28772-56-7 **MF** C₃₀H₂₃BrO₄ **MW** 527.44 **PS** S
SG 1.45 g/cm³ **MP** 200 °C (decomp.)
SOL EA,A,M,CN,W

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

Bromfenacoum, see Brodifacoum

Brominal

3,5-Dibromo-4-hydroxybenzonitrile



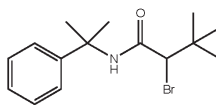
Bromoxynil

CAS 1689-84-5 **MF** C₇H₃Br₂NO **MW** 276.91 **PS** S
SG 1.63 g/cm³ **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

Bromobutide

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

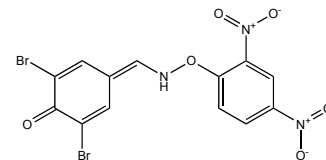


CAS 74712-19-9 **MF** C₁₆H₂₂BrNO **MW** 312.25
PS S **SG** 1.21 g/cm³ **MP** 180-182 °C **SOL** M,A,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1059S	1 mL

Bromofenoxim

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



Faneron

CAS 13181-17-4 **MF** C₁₃H₇Br₂N₃O₆ **MW** 461.0
PS S **SG** 2.15 g/cm³ **MP** 196-197 °C **SOL** H,IPA,A

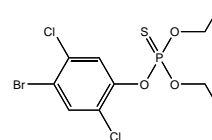
Matrix	Cat. No.	Unit
NEAT	P-511N	10 mg
100 µg/mL in MeOH	P-511S	1 mL

Bromofos-ethyl, see Bromophos-ethyl

Bromophos, see Bromophos-methyl

Bromophos-ethyl

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



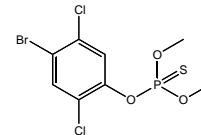
Bromophos-ethyl

CAS 4824-78-6 **MF** C₁₀H₁₂BrCl₂O₃PS **MW** 394.05
PS L **SG** 1.53 g/cm³ **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

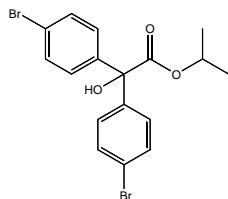
CAS 2104-96-3 **MF** C₈H₈BrCl₂O₃PS **MW** 366 **PS** S
SG 1.32 g/cm³ **MP** 53-56 °C **FP** >100 °C
BP 140-142 °C (0.01mm Hg) **SOL** M,A,D,H,T,CN,TP

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



Bromopropylate

Isopropyl 4,4'-dibromobenzilate



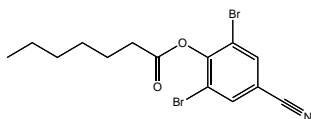
Acarol

CAS 18181-80-1 MF $C_{17}H_{16}Br_2O_3$ MW 428.1 PS S
SG 1.59 g/cm³ 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

Bromoxynil-heptanoate

2,6-Dibromo-4-cyanophenylheptanoate



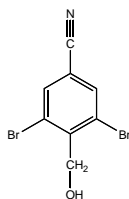
CAS 56634-95-8 MF $C_{14}H_{15}Br_2NO_2$ MW 389.08
PS S SG 1.63 g/cm³ MP 44-45 °C
BP Decomp. 180 °C SOL EA,M,T,D,A

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

Bromoxynil, see Brominal

Bromoxynil methyl ether

3,5-Dibromo-4-methoxybenzonitrile

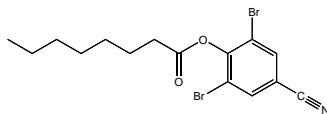


CAS 3336-39-8 MF $C_8H_5Br_2NO$ MW 290.94
PS S SG 1.95 g/cm³ MP 189-191 °C
SOL M,A,D,T,TP

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

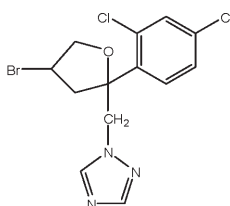


CAS 1689-99-2 MF $C_{15}H_{17}Br_2NO_2$ MW 403.11 PS S
SG 1.64 g/cm³ MP 45-46 °C SOL A,EA,M,T, CN

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

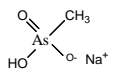


CAS 116255-48-2 MF $C_{13}H_{12}BrCl_2N_3O$ MW 377.06
PS S SG 1.71 g/cm³ MP 84 °C BP Decomp.194°C
SOL H,T,A,CN

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

Bueno

Monosodium acid methane arsonate



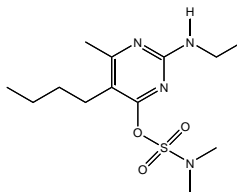
MSMA

CAS 2163-80-6 MF CH_3AsNaO_3 MW 161.95
PS S SG 1.54 g/cm³ MP 113-116 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-279N	10 mg
100 µg/mL in MeOH	P-279S	1 mL

Bupirimate

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

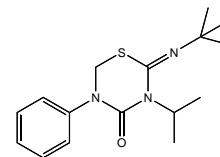


CAS 41483-43-6 MF $C_{13}H_{24}N_4O_3S$ MW 316.47 S L
SG 1.20 g/cm³ MP 50-51 °C BP 232 °C
FP >100 °C SOL M,A,CN

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

Buprofezin

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

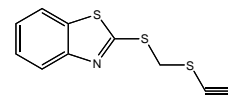


CAS 69327-76-0 MF $C_{16}H_{23}N_3OS$ MW 305.44
PS S SG 1.18 g/cm³ MP 104.5-105.5 °C BP 252°C
SOL M,A,H,T,CN,EA,D

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

Busan

2-(Thiocyanomethylthio)benzothiazole



TCMTB

CAS 21564-17-0 MF $C_9H_8N_2S_3$ MW 238.35 PS L
SG 1.47 g/cm³ SOL M,CN,EA

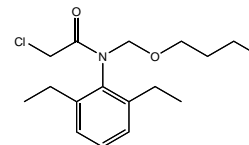
Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-072S-CN	1 mL

Busan 40, see Potassium n-hydroxymethyl-n-methyl dithiocarbamate

Busan 85, see Potassium dimethyl dithiocarbamate

Butachlor

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



Machette

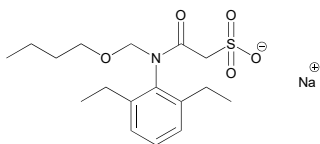
CAS 23184-66-9 MF $C_{17}H_{26}ClNO_2$ MW 311.89
PS L SG 1.07 g/cm³ BP 156 °C (0.5mm Hg)
SOL M,A,D,H,T,CN,EA

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



Butachlor ESA sodium salt

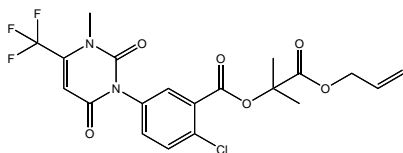
Sodium 2-[(2,6-diethylphenyl)(butoxymethyl)amino]-2-oxo-ethanesulfonate



CAS N/A MF C₁₇H₂₆NNaO₅S MW 379 PS S
SOL CN,M

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

Butafenacil



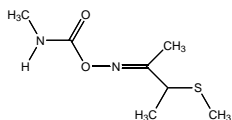
CAS 134605-64-4 MF C₂₀H₁₈ClF₃N₂O₆ MW 474.81
PS S SG 1.41 g/cm³ MP 113 °C BP 270 °C
SOL M,CN

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

Butam, see Tebutam

Butoxycarboxim

3-(Methylthio)butanone O-methylcarbamoyloxime



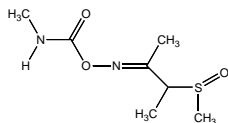
CAS 34681-10-2 MF C₈H₁₄N₂O₂S MW 190.29
PS S SG 1.12 g/cm³ MP 37 °C SOL M,CN,A,W

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

Butoxycarboxim sulfone, see Butoxycarboxim

Butoxycarboxim sulfoxide

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



CAS 34681-24-8 MF C₈H₁₄N₂O₂S MW 206.26
PS S SG 1.25 g/cm³ MP 62-63 °C SOL M,CN

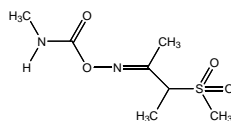
Matrix	Cat. No.	Unit
NEAT	P-701N	10 mg
100 µg/mL in MeOH	P-701S	1 mL

Butoffin, see Deltamethrin

Butopyronoxyl, see Indalone

Butoxycarboxim

3-Mesitylbutanone O-methylcarbamoyloxime



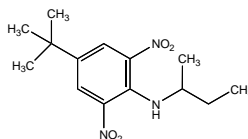
Butocarboxim sulfone

CAS 34681-23-7 MF C₁₄H₁₆N₂O₂S MW 222.26 PS S
SG 1.21 g/cm³ MP 85-89 °C SOL A,T,IPA,CN,W

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

Butralin

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

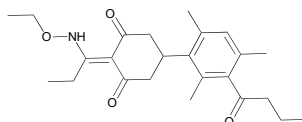


CAS 33629-47-9 MF C₁₄H₂₁N₃O₄ MW 295.33 PS S
SG 1.06 g/cm³ MP 61 °C BP 134-136 °C (0.5mm Hg) FP 36 °C SOL M,A,CN,TP,EA,D

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

Butroxydim

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

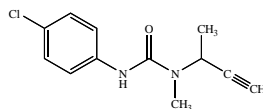


CAS 138164-12-2 MF C₂₄H₃₃NO₄ MW 399.53
PS S SG 1.2 g/cm³ MP 81 °C SOL M

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

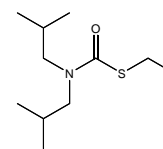


CAS 3766-60-7 MF C₁₂H₁₃ClN₂O MW 236.72
PS S SG 1.23 g/cm³ MP 130-132 °C FP 193 °C
SOL M,A,CN

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

Butylate

S-Ethyl diisobutylcarbamothioate



Sutan

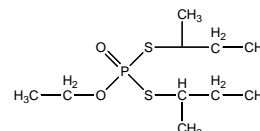
CAS 2008-41-5 MF C₁₁H₂₃NOS MW 217.37
PS L SG 0.94 g/cm³ BP 138 °C (21mm Hg)
FP 115 °C SOL M,A,D,H,T,CN,TP,EA

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

Cacodylic acid, see Dimethylarsinic acid

Cadusafos

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



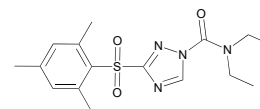
Apache, Ebufos

CAS 95465-99-9 MF C₁₀H₂₀O₂PS₂ MW 270.39
P L SG 1.05 g/cm³ 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

Cafenstrole

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

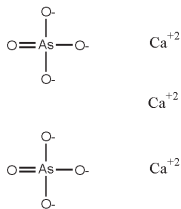


CAS 125306-83-4 MF C₁₆H₂₂N₄O₃S MW 350.44
PS S SG 1.30 g/cm³ MP 115 °C SOL A,CN

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



Calcium arsenate



CAS 7778-44-1 **MF** As₂Ca₃O₈ **MW** 398.07 **PS** S
SG 3.62 g/cm³ **MP** Decomp. **SOL** M,EA,A,H

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

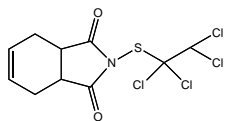
Calirus, see *Benodanil*

Calypso, see *Thiacloprid*

Camphechlor, see *Toxaphene*

Captafol

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

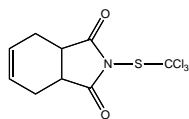


CAS 2425-06-1 **MF** C₁₀H₈Cl₄N₂O₂S **MW** 349.06
PS S **SG** 1.75 g/cm³ **MP** 160-161 °C **FP** >100 °C
SOL M,A,D,H,T,CN,TP,EA,IPA,DMSO

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

Captan

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



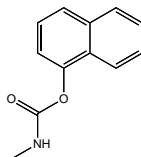
CAS 133-06-2 **MF** C₉H₈Cl₃N₂O₂S **MW** 300.59
PS S **SG** 1.74 g/cm³ **MP** 178 °C
SOL M,A,D,H,T,CN,TP,EA, IPA

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

Capture, see *Bifenthrin*

Carbaryl

1-Naphthyl methylcarbamate



Sevin

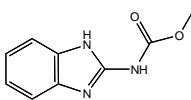
CAS 63-25-2 **MF** C₁₂H₁₁NO₂ **MW** 201.22 **PS** S
SG 1.23 g/cm³ **MP** 142 °C
SOL M,A,D,H,T,CN,EA,DMSO,IPA

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

Carbathiin, see *Carboxin*

Carbendazim

Methyl benzimidazole-2-ylcarbamate



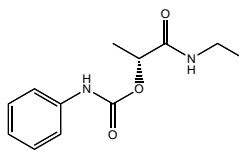
MBC

CAS 10605-21-7 **MF** C₉H₉N₃O₂ **MW** 191.19 **PS** S
SG 1.45 g/cm³ **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

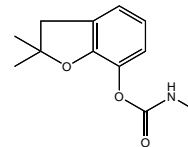


CAS 16118-49-3 **MF** C₁₂H₁₆N₂O₃ **MW** 236.27 **PS** S
SG 1.17 g/cm³ **MP** 119 °C **BP** 235 °C
SOL M,A,CN,EA,D

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

Carbofuran

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



Furadan

CAS 1563-66-2 **MF** C₁₂H₁₅NO₃ **MW** 221.25 **PS** S
SG 1.18 g/cm³ **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

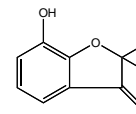
Carbofuran 3-hydroxy, see *3-Hydroxycarbofuran*

Carbofuran-3-keto, see *3-Ketocarbofuran*

Carbofuran phenol, see *2,3-Dihydro-2,2-dimethyl-benzofuran-7-ol*

Carbofuran phenol-3-ketone

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

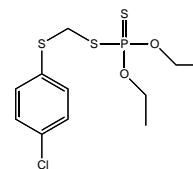


CAS 17781-16-7 **MF** C₁₀H₁₀O₃ **MW** 178.18 **SOL** M

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** C₁₁H₁₆ClO₂PS₂ **MW** 342.87
PS L **SG** 1.28 g/cm³ **BP** 82 °C (0.01mm Hg)
SOL M,A,D,H,T,CN,TP,EA

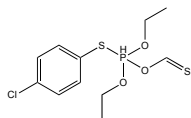
Matrix	Cat. No.	Unit
NEAT	P-095N	10 mg
100 µg/mL in MeOH	P-095S	1 mL

Carbophenothion methyl, see *Methyl trithion*



Pesticide Standards

Carbophenothion methyl-o-analog

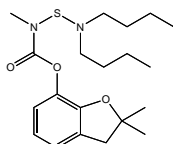


CAS 7332-32-3 MF C₉H₁₂ClO₃PS₂ MW 298.9
SG 1.30 g/cm³ BP 330 °C SOL EA

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

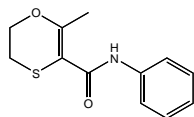


CAS 55285-14-8 MF C₂₀H₂₂N₂O₃S MW 380.55
PS L SG 1.05 g/cm³ BP 124-128 °C FP 95 °C
SOL M,A,T,CN,EA,D,H

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

Carboxin

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



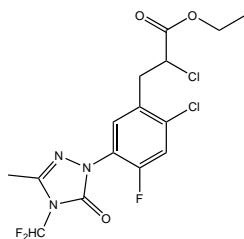
Carbathiin

CAS 5234-68-4 MF C₁₂H₁₃NO₂S MW 235.32
PS S SG 1.36 g/cm³ 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

Carfentrazone-ethyl

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

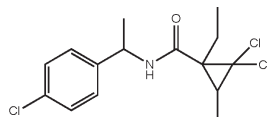


CAS 128639-02-1 MF C₁₅H₁₄Cl₂F₃N₃O₃ MW 412.19
PS L SG 1.46 g/cm³ BP 353 °C
SOL M,A,CN,EA,T,H,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-957S-CN	1 mL

Carpropamid

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

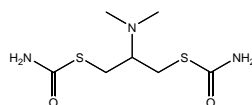


CAS 104030-54-8 MF C₁₅H₁₈Cl₃NO MW 334.67
PS S SG 1.17 g/cm³ MP 160 °C

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1162S-CN	1 mL

Cartap

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

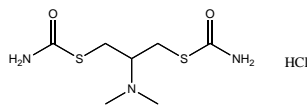


CAS 15263-53-3 MF C₇H₁₅N₃O₂S₂ MW 273.35
PS S SG 1.31 g/cm³ MP 131 °C SOL H,T,A,M

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

Cartap hydrochloride

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



CAS 22042-59-7 MF C₇H₁₅N₃O₂S₂•HCl MW 237.35
PS S MP 179-181 °C SOL CN,W

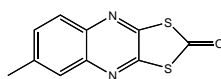
Matrix	Cat. No.	Unit
NEAT	P-949N	10 mg

Casoron, see Dichlobenil

CGA 219417, see Cyprodinil

Chinomethionate

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



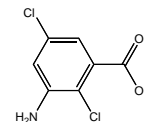
Morestan, Oxythioquinox

CAS 2439-01-2 MF C₁₀H₈N₂OS₂ MW 234.3 PS S
SG 1.56 g/cm³ 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

Chloramben

3-Amino-2,5-dichlorobenzoic acid



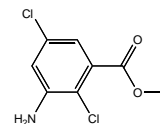
Amiben

CAS 133-90-4 MF C₇H₅Cl₂NO₂ MW 206.03
PS S SG 1.61 g/cm³ 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



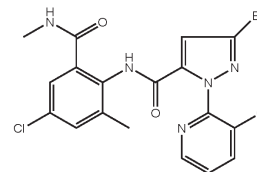
CAS 7286-84-2 MF C₈H₇Cl₂NO₂ MW 220.06 PS L
SG 1.43 g/cm³ MP 49-50 °C SOL M,CN

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

Chloramizol, see Imazalil

Chlorantraniliprole

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



Altacor

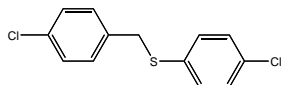
CAS 500008-45-7 MF C₁₈H₁₄BrCl₂N₅O₂ MW 483.15
PS S SG 1.51 g/cm³ MP 250-252 °C
SOL A,CN,D,EA,M

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



Chlorbenside

4-Chlorobenzyl 4-chlorophenyl sulfide

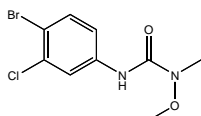


CAS 103-17-3 **MF** C₁₃H₁₀Cl₂S **MW** 269.19 **PS** S
SG 1.42 g/cm³ **MP** 75 °C **BP** 83-84 °C (0.0024 mm Hg) **SOL** M,D,H,CN

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

Chlorbromuron

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



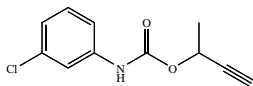
Maloran

CAS 13360-45-7 **MF** C₉H₉BrClN₂O₂ **MW** 293.54
PS S **SG** 1.69 g/cm³ **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

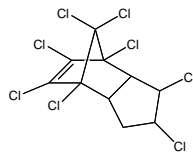


CAS 1967-16-4 **MF** C₁₁H₁₀ClNO₂ **MW** 223.66
PS S **SG** 1.28 g/cm³ **MP** 45 °C **BP** 270 °C
FP 117 °C **SOL** M,A,T,CN

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

Chlordane (tech)

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



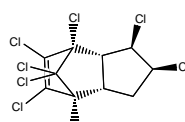
Octachlor

CAS 12789-03-6 **MF** C₁₀H₆Cl₈ **MW** 409.78 **PS** L
SG 1.59-1.63 g/cm³ **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
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-Octachloro-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene



cis-Chlordane

CAS 5103-71-9 **MF** C₁₀H₆Cl₈ **MW** 409.76 **PS** S
SG 1.59-1.63 g/cm³ **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

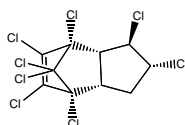
cis-Chlordane, see *a-Chlordane*

trans-Chlordane, see *g-Chlordane*

Chlordecone, see *Kepone*

g-Chlordane

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



trans-Chlordane

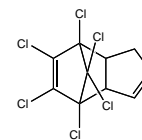
CAS 5103-74-2 **MF** C₁₀H₆Cl₈ **MW** 409.76 **PS** S
SG 1.59-1.63 g/cm³ **MP** 104-105 °C **BP** 381 °C
SOL M,A,D,H,T,CN,TP,EA

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

Chlordecone, see *Kepone*

Chlordene

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

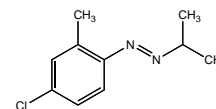


CAS 3734-48-3 **MF** C₁₀H₆Cl₆ **MW** 338.86 **PS** S
MP 159 °C **SOL** M,A,H,T,TP

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]formamide

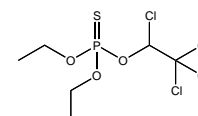


CAS 6164-98-3 **MF** C₁₀H₁₃ClN₂ **MW** 196.7 **PS** S
SG 1.10 g/cm³ **MP** 32-35 °C **BP** 300 °C
SOL M,A,D,CN,EA

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

Chlorethoxyfos

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



CAS 54593-83-8 **MF** C₆H₁₁Cl₄O₃PS **MW** 336.00
PS L **SG** 1.41 g/cm³ **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 AcCN	P-1017S-CN	1 mL

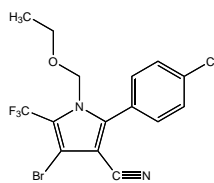
Chlorfenac, see *Fenatrol*



Pesticide Standards

Chlorfenapyr

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



Pirate

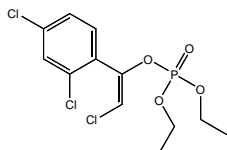
CAS 122453-73-0 MF C₁₅H₁₁BrClF₃N₂O MW 407.61
PS S SG 1.53 g/cm³ MP 100-101 °C BP 444 °C
FP 222 °C SOL M,A,D,H,T,CN,EA

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

Chlorfenson, see Ovxex

Chlorfenvinphos

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



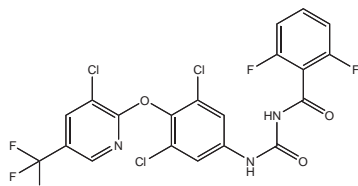
Supona

CAS 470-90-6 MF C₁₂H₁₄Cl₃O₄P MW 359.58
PS L SG 1.36 g/cm³ 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

Chlorfluazuron

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



Aim

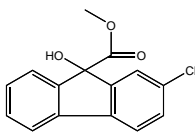
CAS 71422-67-8 MF C₂₀H₉Cl₃F₅N₃O₃ MW 540.65
PS S SG 1.66 g/cm³ MP 227 °C
SOL M,T,IPA,D,A,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-771S-CN	1 mL

Chlorflurenol-methyl, see Chlorfurecol-methyl ester

Chlorfurecol-methyl ester

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



Chlorflurenol-methyl

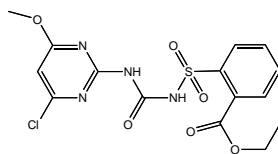
CAS 2536-31-4 MF C₁₄H₉ClO₃ MW 260.68 PS S
SG 1.42 g/cm³ MP 152 °C SOL A,M,IPA,CN

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

Chloridazon, see Pyrazon

Chlorimuron-ethyl

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



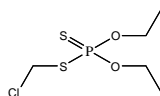
Classic

CAS 90982-32-4 MF C₁₅H₁₅ClN₃O₅S MW 414.82
PS S SG 1.49 g/cm³ MP 180-182 °C SOL A,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-284S-CN	1 mL

Chlormephos

S-Chloromethyl O,O-diethyl phosphorothioate

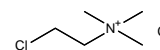


CAS 24934-91-6 MF C₅H₁₂ClO₂PS₂ MW 234.71
PS L SG 1.26 g/cm³ BP 81-85 °C (0.1mm Hg)
SOL M,A,D,CN

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

Chlormequat chloride

(2-Chloroethyl)trimethylammonium chloride



Chlorocholine chloride

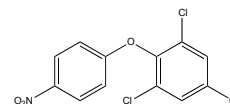
CAS 999-81-5 MF C₅H₁₃ClN•Cl MW 158.09 PS S
SG 1.14 g/cm³ MP 235 °C SOL M,A,EA

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

Chlormesulon, see Sulcotrione

Chlornitrofen

4-Nitrophenyl 2,4,6-trichlorophenyl ether

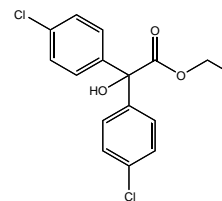


CAS 1836-77-7 MF C₁₂H₆Cl₃NO₂ MW 318.54
PS S SG 1.53 g/cm³ MP 107 °C BP 210 °C
SOL TP,CN,A

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

Chlorobenzilate

Ethyl-4,4'-Dichlorobenzilate



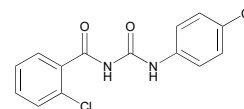
Folbex

CAS 510-15-6 MF C₁₆H₁₄Cl₂O₃ MW 325.19 PS S
SG 1.28 g/cm³ 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 AcCN	P-133S-CN	1 mL
1000 µg/mL in AcCN	P-133S-CN-10X	1 mL

Chlorobenzuron

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



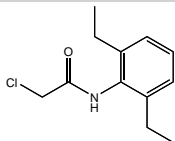
CAS 57160-47-1 MF C₁₄H₁₀N₂Cl₂O₂ MW 309.15
PS S SOL A,CN,M

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

Chlorocholine chloride, see Chlormequat chloride



2-Chloro-2',6'-diethylacetanilide

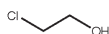


CAS 6967-29-9 MF C₁₂H₁₆ClNO MW 225.72
PS S SG 1.13 g/cm³ MP 128-132 °C SOL M

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

2-Chloroethanol

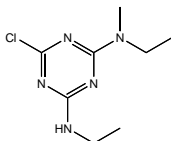
Ethylene chlorohydrin



CAS 107-07-3 MF C₂H₅ClO MW 80.51 PS L
SG 1.20 g/cm³ 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

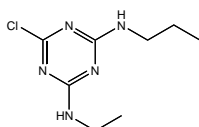
2-Chloro-4-ethylamino-6-methylethylamino-s-triazine



CAS 3084-92-2 MF C₈H₁₄ClN₅ MW 215.68 SOL MC

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

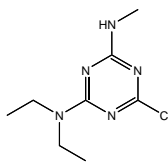
2-Chloro-4-ethylamino-6-propylamino-s-triazine



CAS 90952-64-0 MF C₉H₁₄ClN₅ 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

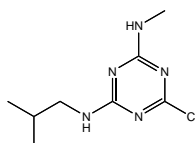
2-Chloro-4-methylamino-6-diethylamino-s-triazine



CAS N/A MF C₈H₁₄ClN₅ MW 215.68 SOL MC

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

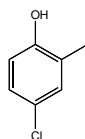
2-Chloro-4-methylamino-6-sec-butylamino-s-triazine



CAS N/A MF C₈H₁₄ClN₅ MW 215.68 SOL MC

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

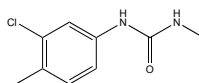
4-Chloro-2-methylphenol



CAS 1570-64-5 MF C₇H₇ClO MW 142.58 PS S
SG 1.23 g/cm³ 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



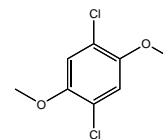
CAS 22175-22-0 MF C₉H₁₁ClN₂O MW 198.65
PS S SOL A,CN

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

4-Chloro-o-tolylxyacetic acid, methyl ester, see MCPA methyl ester

Chloroneb

1,4-Dichloro-2,5-dimethoxybenzene



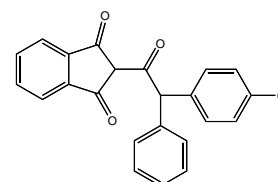
Demosan, Terraneb

CAS 2675-77-6 MF C₈H₈Cl₂O₂ MW 207.06 PS S
SG 1.28 g/cm³ 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

Chlorophacinone

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

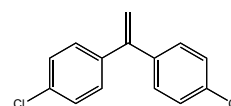


Rozol

CAS 3691-35-8 MF C₂₃H₁₅ClO₃ MW 374.83 PS S
SG 1.43 g/cm³ 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 C₁₄H₁₀Cl₂ MW 249.13 PS S
SG 1.21 g/cm³ 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

4-Chlorophenyl 2,4,5-trichlorophenyl sulfide, see Tetrasul

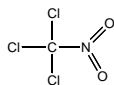
Chlorophos, see Trichlorfon

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Chloropicrin

Trichloronitromethane

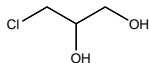


Nitrochloroform

CAS 76-06-2 **MF** CCl₃NO₂ **MW** 164.37 **PS** L
SG 1.66 g/cm³ **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

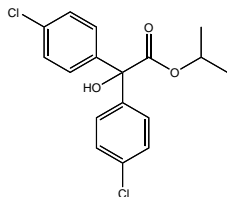


CAS 96-24-2 **MF** C₃H₇ClO₂ **MW** 110.55 **PS** L
SG 1.32 g/cm³ **BP** 213 °C **FP** 113 °C
SOL M,D,H,EA

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

Chloropropylate

Isopropyl 4,4'-dichlorobenzilate

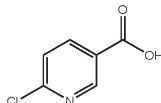


CAS 5836-10-2 **MF** C₁₇H₁₆Cl₂O₃ **MW** 339.23 **PS** S
SG 1.30 g/cm³ **MP** 73 °C **BP** 148-150 °C (0.5mm Hg) **SOL** A,D,H,T,M,CN,TP

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

6-Chloropyridine-3-carboxylic acid

6-Chloronicotinic acid

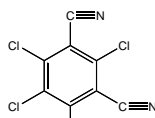


CAS 5326-23-8 **MF** C₆H₄ClNO₂ **MW** 157.55 **PS** S
SG 1.50 g/cm³ **MP** 190-192 °C **SOL** M

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

Chlorothalonil

Tetrachloroisophthalonitrile



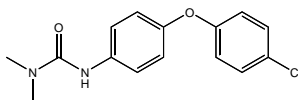
Daconil

CAS 1897-45-6 **MF** C₆Cl₄N₂ **MW** 265.91 **PS** S
SG 1.80 g/cm³ **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

Chloroxuron

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

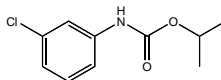


CAS 1982-47-4 **MF** C₁₅H₁₅ClN₂O₂ **MW** 290.77
PS S **SG** 1.27 g/cm³ **MP** 151 °C **FP** >100 °C
SOL M,A,D,CN,EA,T

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** C₁₀H₁₂ClNO₂ **MW** 213.66 **PS** S
SG 1.18 g/cm³ **MP** 41 °C **BP** Decomp. 150 °C
SOL M,A,D,H,T,CN,TP,EA

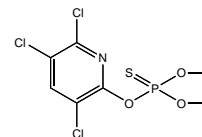
Matrix	Cat. No.	Unit
NEAT	P-221N	10 mg
100 µg/mL in MeOH	P-221S	1 mL

Chlorpyrifos, see Dursban

Chlorpyrifos-0-analog, see Chlorpyrifos oxon

Chlorpyrifos-methyl

O,O-Dimethyl O-3,5,6-trichloro-2-pyridylphosphorothioate



Reldan

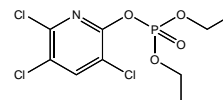
CAS 5598-13-0 **MF** C₈H₈Cl₃NO₃PS **MW** 322.53
PS S **SG** 1.64 g/cm³ **MP** 46 °C **FP** 182 °C
SOL M,A,D,H,T,CN,TP,EA

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

Chlorthal acid, see DCPA diacid

Chlorpyrifos-oxon

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



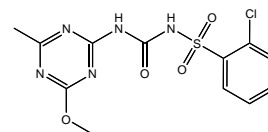
Chlorpyrifos-0-analog

CAS 5598-15-2 **MF** C₉H₁₁Cl₃NO₄P **MW** 334.53
PS S **SG** 1.46 g/cm³ **MP** 41 °C **SOL** M,A,D,CN,TP

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

Chlorsulfuron

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



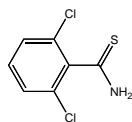
CAS 64902-72-3 **MF** C₁₂H₁₂ClN₃O₄S **MW** 357.77
PS S **SG** 1.48 g/cm³ **MP** 174-175 °C **BP** Decomp. 150 °C
SOL A,D,M,T,CN,EA,H,W

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



Chlorthiamid

2,6-Dichlorothiobenzamide

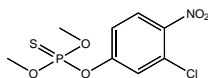


CAS 1918-13-4 **MF** C₇H₅Cl₂NS **MW** 206.09 **PS** S
SG 1.47 g/cm³ **MP** 151-152 °C **SOL** M,CN,W

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

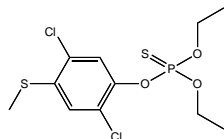


CAS 500-28-7 **MF** C₈H₉ClNO₃PS **MW** 297.65
PS S or L **SG** 1.44 g/cm³ **MP** 21 °C **BP** 125 °C
FP 176 °C **SOL** M,CN

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

Chlorthiophos

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

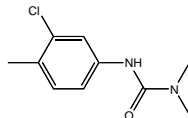


CAS 60238-56-4 **MF** C₁₁H₁₅Cl₂O₃PS₂ **MW** 361.25
PS L **SG** 1.46 g/cm³ **BP** >200 °C **SOL** M,A,D,CN

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

Chlortoluron

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

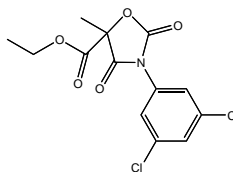


CAS 15545-48-9 **MF** C₁₀H₁₃ClN₂O **MW** 212.68
PS S **SG** 1.40 g/cm³ **MP** 148 °C
SOL M,A,D,CN,EA,T

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

Chlozolinate

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



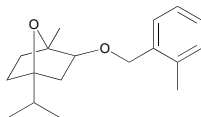
CAS 84332-86-5 **MF** C₁₃H₁₁Cl₂NO₅ **MW** 332.15
PS S **SG** 1.42 g/cm³ **MP** 113 - 114 °C **FP** >200 °C
SOL M,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-683S-CN	1 mL

Ciafos, see *Cyanophos*

Cinmethylin

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

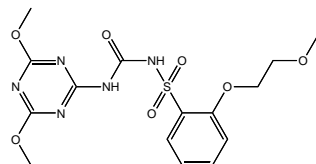


CAS 87818-31-3 **MF** C₁₈H₂₆O₂ **MW** 274.4 **PS** L
SG 1.01 g/cm³ **BP** decomp. 145 °C **FP** 147 °C
SOL A,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1157S-CN	1 mL
1000 µg/mL in AcCN	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** C₁₆H₁₉N₅O₅S **MW** 413.41
PS S **SG** 1.47 g/cm³ **MP** 144.6 °C **FP** >144 °C
SOL A,T,M,CN,W

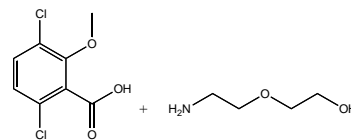
Matrix	Cat. No.	Unit
NEAT	P-823N	10 mg
100 µg/mL in AcCN	P-823S-CN	1 mL

Ciodrin, see *Crotoxyphos*

CIPC, see *Chlorpropham*

Clarity

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



Dicamba, diglycoamine salt, tech

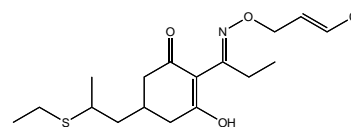
CAS 104040-79-1 **MF** C₈H₆Cl₂O₃•C₄H₁₁NO₂
MW 326.18 **PS** L **SOL** W

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

Classic, see *Chlorimuron-ethyl*

Clethodim

(E)-2-[1-[[[3-Chloro-2-propenyl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexene-1-one



Select

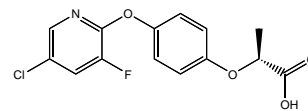
CAS 99129-21-2 **MF** C₁₇H₂₆ClNO₃S **MW** 359.91
PS L **SG** 1.14 g/cm³ **BP** Decomp. 100 °C
SOL M,A,EA,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-602S-CN	1 mL
1000 µg/mL in AcCN	P-602S-CN-10X	1 mL

Clipper, see *Bonzi*

Clodinafop

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



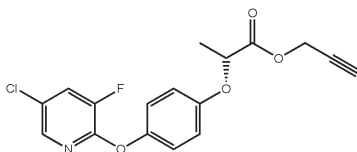
CAS 114420-56-3 **MF** C₁₄H₁₁ClFNO₄ **MW** 311.69
PS S **SG** 1.41 g/cm³ **MP** 172-173 °C
BP Decomp. 410 °C **FP** 202 °C **SOL** M

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

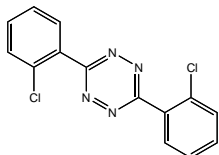


CAS 105512-06-9 **MF** C₁₇H₁₃ClFNO₄ **MW** 349.74
PS S SG 1.35 g/cm³ **MP** 59 °C **BP** 100-101 °C
SOL A,EA,H,D,CN,M,T

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

Clofentezine

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

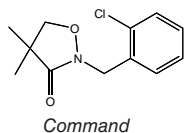


CAS 74115-24-5 **MF** C₁₄H₈Cl₂N₄ **MW** 303.15 **PS S SG** 1.52 g/cm³ **MP** 182 °C **BP** Decomp. 190 °C
SOL M,A,T,CN,EA,D

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

Clomazon

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

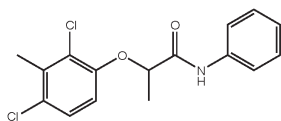


CAS 81777-89-1 **MF** C₁₁H₁₄ClNO₂ **MW** 239.7
PS L SG 1.19 g/cm³ **BP** 275 °C **FP** 75 °C
SOL A,CN,T,M,D,EA,H,W

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-286S	1 mL

Clomeprop

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



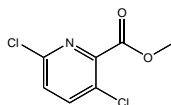
CAS 84496-56-0 **MF** C₁₆H₁₅Cl₂NO₂ **MW** 324.20
PS S SG 1.31 g/cm³ **MP** 146-147 °C
SOL A,DMSO,M,T

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

Clopyralid, see Lontrel

Clopyralid methyl ester

Methyl 3,6-dichloropicolinate

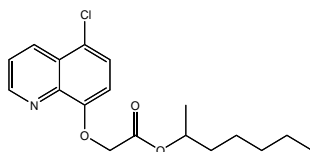


CAS 1532-24-7 **MF** C₈H₆Cl₂NO₂ **MW** 206.03
PS S SG 1.43 g/cm³ **MP** 49-50 °C **BP** 296 °C
FP 133 °C **SOL** M,A,D,H

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

Cloquintocet-mexyl

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

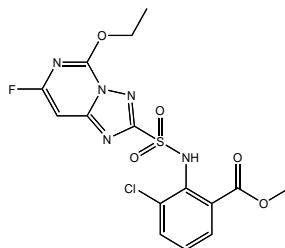


CAS 99607-70-2 **MF** C₁₈H₂₂ClNO₂ **MW** 335.82
PS S SG 1.05 g/cm³ **MP** 69-70 °C **SOL** A,H,M,T,CN

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

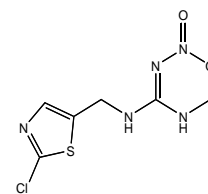


CAS 147150-35-4 **MF** C₁₅H₁₃ClFNO₅S **MW** 429.81
PS S SG 1.54 g/cm³ **MP** 217 °C
SOL A,D,EA,M,CN,H

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

Clothianidin

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



Clutch

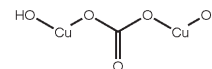
CAS 210880-92-5 **MF** C₈H₈ClN₃O₂S **MW** 249.68
PS S SG 1.61 g/cm³ **MP** 177 °C
SOL A,EA,D,M,CN,W

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

Clutch, see Clothianidin

Command, see Clomazon

Copper (II) carbonate

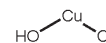


CAS 12069-69-1 **MF** CH₂Cu₂O₅ **MW** 221.12 **PS S SG** 4.0 g/cm³ **MP** Decomp. 200 °C **SOL** M

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⁺⁺.

Basic cupric chloride

CAS 1332-40-7 **PS S SG** 0.80 g/cm³

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

Co-Ral, see Coumaphos

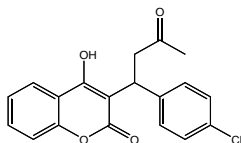
Cotoran, see Fluometuron

Cottonex, see Fluometuron



Coumachlor

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

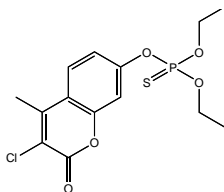


CAS 81-82-3 **MF** C₁₉H₁₅ClO₄ **MW** 342.77 **PS** S
SG 1.38 g/cm³ **MP** 168-170 °C **BP** 543 °C
FP 282 °C **SOL** M,A

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



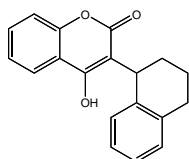
Co-Ral

CAS 56-72-4 **MF** C₁₄H₁₆ClO₅PS **MW** 362.77 **PS** S
SG 1.47 g/cm³ **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** C₁₉H₁₆O₃ **MW** 292.33 **PS** S
SG 1.33 g/cm³ **MP** 172-176 °C **FP** >100 °C
SOL M,CN,D,IPA,W

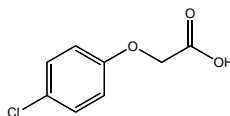
Matrix	Cat. No.	Unit
NEAT	P-313N	10 mg
100 µg/mL in MeOH	P-313S	1 mL

Counter, see Terbufos

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

4-CPA

4-Chlorophenoxyacetic acid



CAS 122-88-3 **MF** C₈H₇ClO₃ **MW** 186.6 **PS** S
SG 1.52 g/cm³ **MP** 157-159 °C **BP** Decomp.
SOL M,A,D,CN

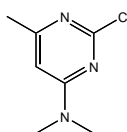
Matrix	Cat. No.	Unit
NEAT	P-373N	10 mg
100 µg/mL in MeOH	P-373S ▲	1 mL

Crag Herbicide, see Disul, sodium salt

Crimidin, see Crimidine

Crimidine

2-Chloro-4-dimethylamino-6-methylpyrimidine



Crimidin

CAS 535-89-7 **MF** C₇H₁₀ClN₂ **MW** 171.63 **PS** S
SG 1.21 g/cm³ **MP** 87 °C **BP** 140-147 °C (4mm Hg)
FP 130 °C **SOL** M,EA,D,IPA

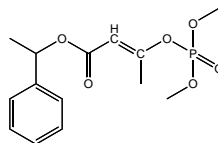
Matrix	Cat. No.	Unit
NEAT	P-561N	10 mg
100 µg/mL in MeOH	P-561S	1 mL

Croneton, see Ethiofencarb

Croneton sulfone, see Ethiofencarb sulfone

Crotoxyphos

Dimethyl 2-(a-methylbenzoyloxycarbonyl)-1-methylvinylphosphate



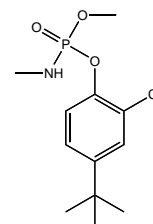
Ciodrin

CAS 7700-17-6 **MF** C₁₄H₁₉O₅P **MW** 314.27 **PS** L
SG 1.20 g/cm³ **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

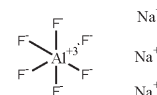


CAS 299-86-5 **MF** C₁₂H₁₉ClNO₃P **MW** 291.74
PS L **SG** 1.18 g/cm³ **MP** 60-61 °C **SOL** M,T,CN

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

Cryolite

Sodium fluoroaluminate

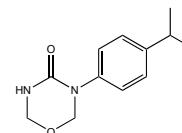


CAS 15096-52-3 **MF** AlF₆Na₃ **MW** 209.94 **PS** S
SG 2.9 g/cm³ **MP** 1012 °C **SOL** W

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

Cumyluron

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

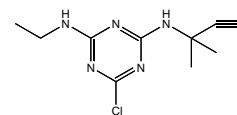


CAS 99485-76-4 **MF** C₁₇H₁₉ClN₂O **MW** 302.8
PS S **SG** 1.16 g/cm³ **MP** 166 °C **FP** 258 °C
SOL A,H,M,CN

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

Cyanazine

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



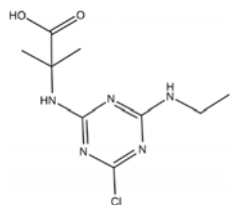
Bladex

CAS 21725-46-2 **MF** C₉H₁₃ClN₆ **MW** 240.69 **PS** S
SG 1.29 g/cm³ **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



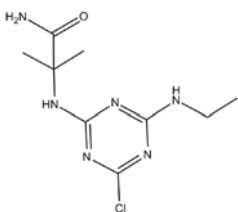
Cyanazine acid



CAS 36576-43-9 **MF** C₉H₁₄ClN₅O₂ **MW** 259.69
PS S **SG** N/A **SOL** CN,M

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

Cyanazine amide

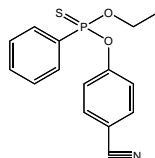


CAS 36576-42-8 **MF** C₉H₁₅ClN₅O **MW** 258.71
PS S **SG** N/A **SOL** CN,M

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

Cyanofenphos

4-Cyanophenylethylphenyl phosphonothionate

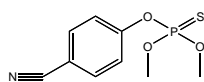


CAS 13067-93-1 **MF** C₁₅H₁₄NO₃PS **MW** 303.33
PS S **SG** 1.26 g/cm³ **MP** 83 °C **BP** 424 °C
FP 210 °C **SOL** M,A,CN

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

Cyanophos

O-4-Cyanophenyl O,O-dimethyl phosphorothioate



Ciafos, Cyanox

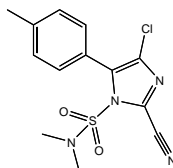
CAS 2636-26-2 **MF** C₉H₁₀NO₃PS **MW** 243.22
PS L **SG** 1.25 g/cm³ **BP** Decomp. 119 °C
FP >104 °C **SOL** M,A,D

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

Cyanox, see Cyanophos

Cyazofamid

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



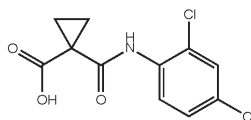
CAS 120116-88-3 **MF** C₁₃H₁₃ClN₃O₂S **MW** 324.79
PS S **SG** 1.45 g/cm³ **MP** 152-153 °C
SOL A,T,D,H,EA,CN,IPA,M

Matrix	Cat. No.	Unit
NEAT	P-969N	10 mg
100 µg/mL in MeOH	P-969S	1 mL

Cybutryne, see Irgarol

Cyclanilide

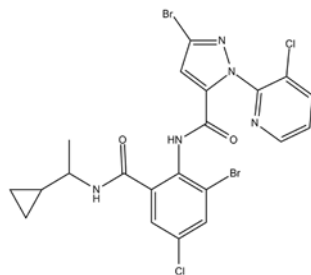
1-(2,4-Dichloroanilino)carbonylcyclopropanecarboxylic acid



CAS 113136-77-9 **MF** C₁₁H₉Cl₂NO₃ **MW** 274.10
PS S **SG** 1.47 g/cm³ **MP** 195 °C **SOL** H,T,M,A,CN

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

Cyclaniliprole

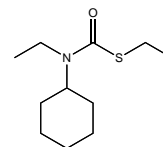


CAS 1031756-98-5 **MF** C₂₁H₁₇BrCl₂N₃O₂
MW 602.11 **PS** S **SG** N/A **MP** 185-187 °C
SOL M,A

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

Cycloate

S-Ethyl cyclohexyl(ethyl)thiocarbamate

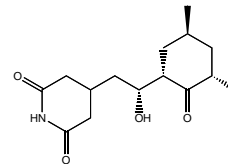


CAS 1134-23-2 **MF** C₁₁H₂₁NOS **MW** 215.36 **PS** L
SG 1.02 g/cm³ **BP** 145-146 °C (10mm Hg)
FP >100 °C **SOL** M,A,H

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

Cycloheximide

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



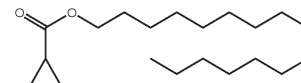
CAS 66-81-9 **MF** C₁₅H₂₃NO₄ **MW** 281.35 **PS** S
SG 1.14 g/cm³ **MP** 120 °C **BP** 492 °C **FP** 252 °C
SOL M,A

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

3-Cyclohexyl-5,6-trimethyleneuracil, see Lenacil

Cycloprate

Hexadecyl cyclopropane carboxylate



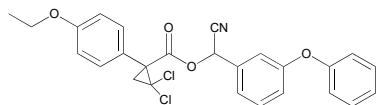
CAS 54460-46-7 **MF** C₂₀H₃₈O₂ **MW** 310.51 **PS** S
SG 0.92 g/cm³ **MP** 100-102 °C **BP** 366 °C
FP 189 °C **SOL** M

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



Cyprothrin

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

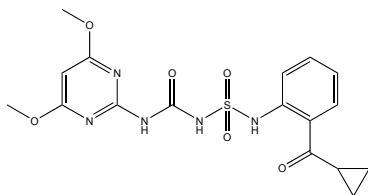


CAS 63935-38-6 **MF** C₂₆H₂₁Cl₂NO₄ **MW** 482.36
PS L or S **SG** 1.26 g/cm³ **MP** 25 °C
BP 140-145 °C/0.001mm Hg **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1205S-CN	1 mL
1000 µg/mL in AcCN	P-1205S-CN-10X	1 mL

Cyclosulfamuron

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



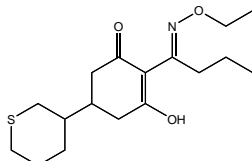
CAS 136849-15-5 **MF** C₁₇H₁₉N₅O₆S **MW** 421.43
PS S **SG** 0.62 g/cm³ **MP** 150-153 °C **SOL** CN

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

Cycloxydim, see Cycloxydime

Cycloxydime

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



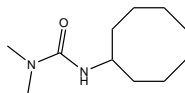
Cycloxydime, Focus

CAS 101205-02-1 **MF** C₁₇H₂₇NO₃S **MW** 325.51
PS S **SG** 1.14 g/cm³ **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



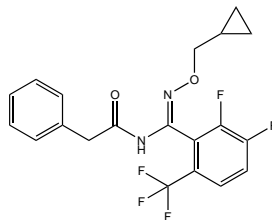
CAS 2163-69-1 **MF** C₁₁H₂₂N₂O **MW** 198.31 **PS** S
SG 0.97 g/cm³ **MP** 138 °C **FP** >100 °C
SOL A,M,CN

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

Cyfoxylate, see Cyfluthrin

Cyflufenamid

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

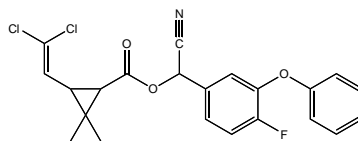


CAS 180409-60-3 **MF** C₂₀H₁₇F₅N₂O₂ **MW** 412.35
PS S **SG** 1.35 g/cm³ **MP** 62 °C **BP** Decomp. 140 °C
SOL D,A,CN,M,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-975S-CN	1 mL

Cyfluthrin - Mix of Isomers

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



Baythroid I, Cyfoxylate

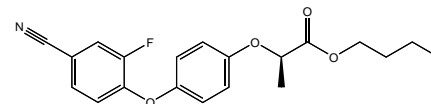
CAS 68359-37-5 **MF** C₂₂H₁₈Cl₂FNO₃ **MW** 434.31
PS S **SG** 1.28 g/cm³ **MP** 60 °C **FP** 107 °C
SOL M,A,D,H,T,CN,TP,EA,IPA

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

Cygon, see Dimethoate

Cyhalofop-butyl

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

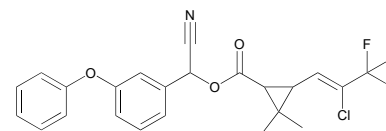


CAS 122008-85-9 **MF** C₂₀H₂₀FNO₄ **MW** 357.38
PS S **SG** 1.17 g/cm³ **MP** 48-49 °C **BP** Decomp. 270 °C
FP 122 °C **SOL** M,CN,A

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

Cyhalothrin

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

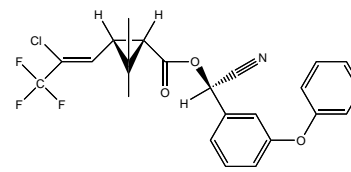


CAS 68085-85-8 **MF** C₂₃H₁₉ClF₃NO₃ **MW** 449.85
PS L **SG** 1.25 g/cm³ **BP** 187-190 °C/0.2mm Hg
FP >100 °C **SOL** A,CN,D,EA,H,M,T

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

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



Icon, Karate

CAS 91465-08-6 **MF** C₂₃H₁₉ClF₃NO₃ **MW** 449.85
PS S **SG** 1.34 g/cm³ **MP** 49 °C **FP** 225 °C
BP Decomp. 275 °C **SOL** M,A,D,H,T,CN,EA

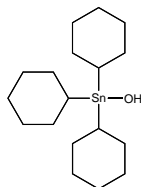
Matrix	Cat. No.	Unit
NEAT	P-473N	10 mg
100 µg/mL in MeOH	P-473S	1 mL



Pesticide Standards

Cyhexatin

Tricyclohexylhydroxystannane



Tricyclohexyltin hydroxide

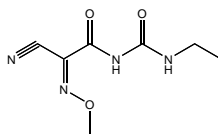
CAS 13121-70-5 **MF** C₁₈H₃₄OSn **MW** 385.21 **PS** S
SG 1.12 g/cm³ **MP** 195-198 °C **BP** 426 °C **FP** >100 °C
SOL M,D,T,A,CN

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

Cymetrix, see *Simetryn*

Cymoxanil

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



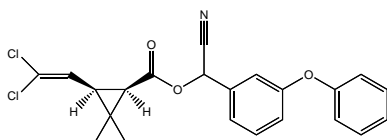
Zymoxanil

CAS 57966-95-7 **MF** C₇H₁₀N₄O₃ **MW** 198.18 **PS** S
SG 1.32 g/cm³ **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

Cypermethrin

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



Polytrin, Siperin

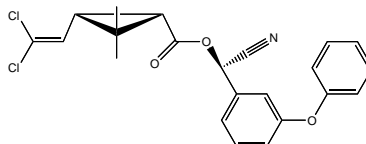
CAS 52315-07-8 **MF** C₂₂H₁₉Cl₂NO₃ **MW** 416.3
PS S **SG** 1.25 g/cm³ **MP** 81 °C **BP** Decomp. 220 °C
SOL M,A,D,H,T,CN,TP,EA

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

cis-Cypermethrin, see *a-Cypermethrin*

a-Cypermethrin

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



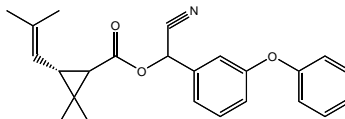
Alphamethrin, cis-Cypermethrin

CAS 67375-30-8 **MF** C₂₂H₁₉Cl₂NO₃ **MW** 416.3 **PS** S
SG 1.12 g/cm³ **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 AcCN	P-548S-CN	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

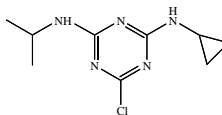
CAS 39515-40-7 **MF** C₂₄H₂₅NO₃ **MW** 375.46 **PS** L
SG 1.08 g/cm³ **BP** 154 °C (0.1mm Hg) **FP** 130 °C
SOL M,A,H

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

d-trans-Cyphenothrin, see *Cyphenothrin*

Cyprazine

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



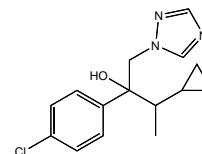
CAS 22936-86-3 **MF** C₉H₉ClN₅ **MW** 227.69
PS S **SG** 1.40 g/cm³ **MP** 165-167 °C **FP** 163 °C
SOL M,H,CN,T

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

Cyprex, see *Dodine*

Cyproconazole

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



Cyproconazole, unstated stereochemistry

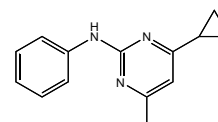
CAS 94361-06-5 **MF** C₁₅H₁₈ClN₃O **MW** 291.78
PS S **SG** 1.26 g/cm³ **MP** 107-108 °C
BP Decomp. 299 °C **SOL** A,M,DMSO,T,D,EA,H,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-555S	1 mL

Cyproconazole, unstated stereochemistry, see *Cyproconazole*

Cyprodinil

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



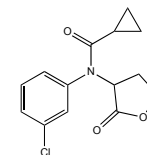
CGA 219417

CAS 121552-61-2 **MF** C₁₄H₁₄N₂ **MW** 225.29 **PS** S
SG 1.21 g/cm³ **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

Cyprofuram

N-(3-Chlorophenyl)-N-(2-oxotetrahydro-3-furanyl)cyclopropanecarboxamide



CAS 69581-33-5 **MF** C₁₄H₁₄ClNO₃ **MW** 279.72
PS S **MP** 95-96 °C **SOL** M

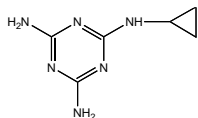
Matrix	Cat. No.	Unit
NEAT	P-1272N	10 mg
100 µg/mL in MeOH	P-1272S	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Cyromazine

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



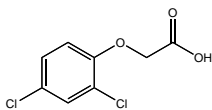
CAS 66215-27-8 **MF** C₆H₁₀N₆ **MW** 166.19 **PS** S
SG 1.35 g/cm³ **MP** 223 °C (decomp.)
SOL M,A,CN,D,H,IPA,W

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

2,3-D, see *2,3-Dichlorophenoxyacetic acid*

2,4-D

2,4-Dichlorophenoxyacetic acid



2,4-D Acid

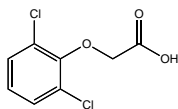
CAS 94-75-7 **MF** C₈H₆Cl₂O₃ **MW** 221.04 **SOL** T
SG 1.57 g/cm³ **MP** 140 °C **BP** Decomp. 200 °C
SOL M,A,D,H,T,CN,EA,W

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 AcCN	P-020S-CN	1 mL

2,4-D Acid, see *2,4-D*

2,6-D acid

2,6-Dichlorophenoxyacetic acid

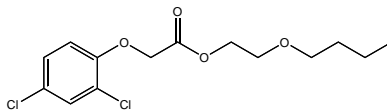


CAS 575-90-6 **MF** C₈H₆Cl₂O₃ **MW** 221.04 **PS** S
MP 125-126 °C **SOL** M,A,CN

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

2,4-D butoxyethyl ester

2-Butoxyethyl 2,4-dichlorophenoxyacetate



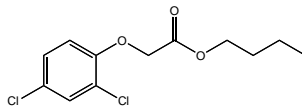
2,4-D butylglycol ester

CAS 1929-73-3 **MF** C₁₄H₁₈Cl₂O₄ **MW** 321.22 **PS** L
SG 1.22 g/cm³ **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



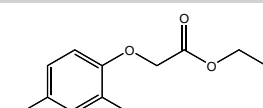
Lirinox

CAS 94-80-4 **MF** C₁₂H₁₄Cl₂O₃ **MW** 277.14 **PS** L
SG 1.24 g/cm³ **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 butylglycol ester, see *2,4-D butoxyethyl ester*

2,4-D ethyl ester



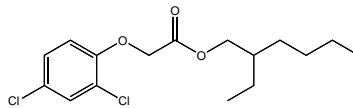
Ethyl 2,4-Dichlorophenoxyacetate

CAS 533-23-3 **MF** C₁₀H₁₀Cl₂O₃ **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



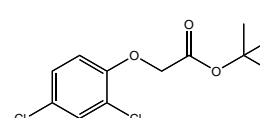
2,4-Dichlorophenoxy acid 2-ethylhexyl ester

CAS 1928-43-4 **MF** C₁₆H₂₂Cl₂O₃ **MW** 333.25 **PS** L
SG 1.15 g/cm³ **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

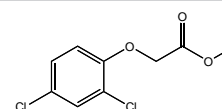
Isobutyl 2,4-dichlorophenoxyacetate



CAS 1713-15-1 **MF** C₁₂H₁₄Cl₂O₃ **MW** 277.14 **PS** L
SG 1.24 g/cm³ **SOL** CN

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

2,4-D methyl ester

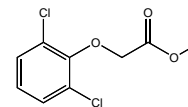


Methyl 2,4-Dichlorophenoxyacetate

CAS 1928-38-7 **MF** C₉H₈Cl₂O₃ **MW** 235.07 **PS** S
SG 1.35 g/cm³ **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

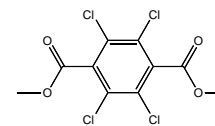
CAS N/A **MF** C₉H₈Cl₂O₃ **MW** 235.06 **PS** S

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

Daconil, see *Chlorothalonil*

Dacthal

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



DCPA

CAS 1861-32-1 **MF** C₁₀H₆Cl₄O₄ **MW** 331.96 **PS** S
SG 1.56 g/cm³ **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



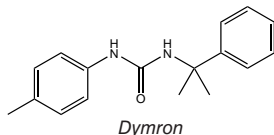
Pesticide Standards

Dacthal diacid, see *DCPA diacid*

Dacthal monoacid, see *Monomethyltetrachloroterephthalate*

Daimuron

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



Dymron

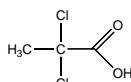
CAS 42609-52-9 **MF** C₁₇H₂₀N₂O **MW** 268.35 **PS** L
SG 1.11 g/cm³ **MP** 203 °C **BP** 394 °C

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1087S-CN	1 mL

Dalapon, see *Dalapon acid*

Dalapon acid

2,2-Dichloropropionic acid



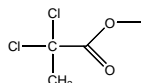
Dalapon

CAS 75-99-0 **MF** C₃H₂Cl₂O₂ **MW** 142.97 **PS** L
SG 1.40 g/cm³ **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 AcCN	P-140S-CN	1 mL

Dalapon methyl ester

Methyl 2,2-dichloropropionate



CAS 17640-02-7 **MF** C₄H₆Cl₂O₂ **MW** 157 **PS** L
SG 1.30 g/cm³ **BP** 144 °C **FP** 50 °C
SOL M,A,H,T,TP

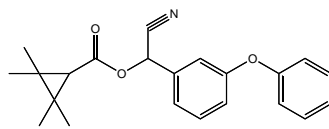
Matrix	Cat. No.	Unit
NEAT	P-226N	10 mg
100 µg/mL in MeOH	P-226S	1 mL

Dalapon-sodium, see *DPA Sodium*

Daminozide, see *Alar (SADH)*

Danitol

(RS)-alpha-Cyano-3-phenoxybenzyl
2,2,3,3-tetramethylcyclopropanecarboxylate



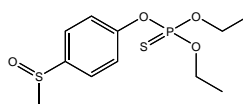
Fenpropathrin, Meothrin

CAS 39515-41-8 **MF** C₂₂H₂₃NO₃ **MW** 349.42 **PS** S
SG 1.15 g/cm³ **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

Dasanit

O,O-Diethyl O-(4-(methylsulfinyl)phenyl) phospho-
rothioate



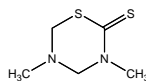
Fensulfothion

CAS 115-90-2 **MF** C₁₁H₁₇O₄PS₂ **MW** 308.36 **PS** L
SG 1.20 g/cm³ **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	P-235S-H-10X	1 mL

Dazomet

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



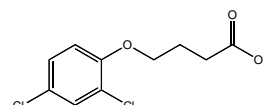
CAS 533-74-4 **MF** C₅H₁₀N₂S₂ **MW** 162.28 **PS** S
SG 1.36 g/cm³ **MP** 103-105 °C **FP** 156 °C
SOL A,EA,M,T,D,W

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

2,4-DB, see *2,4-DB acid*

2,4-DB acid

4-(2,4-Dichlorophenoxy)butyric acid



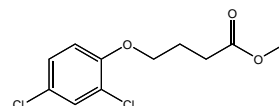
2,4-DB

CAS 94-82-6 **MF** C₁₀H₁₀Cl₂O₃ **MW** 249.1 **PS** S
SG 1.51 g/cm³ **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 AcCN	P-141S-CN	1 mL

2,4-DB methyl ester

Methyl 4-(2,4-dichlorophenoxy)butyrate



CAS 18625-12-2 **MF** C₁₁H₁₂Cl₂O₃ **MW** 263.12
PS S **SG** 1.27 g/cm³ **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

DBCP, see *Fumazone*

DCAA, see *2,4-Dichlorophenylacetic acid*

DCAA methyl ester, see *Methyl-2,4-dichlorophenylacetate*

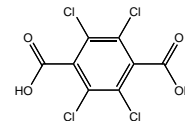
DCMU, see *Karmex*

3,4-DCPA, see *Propanil*

DCPA, see *Dacthal*

DCPA diacid

Tetrachloroterephthalic acid



Chlorthal acid, Dacthal diacid

CAS 2136-79-0 **MF** C₈H₂Cl₄O₄ **MW** 303.9 **PS** S
SG 1.87 g/cm³ **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 AcCN	P-320S-CN	1 mL

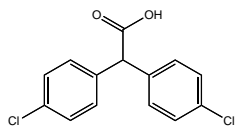
DCPA monoacid, see *Monomethyltetrachloroterephthalate*

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



p,p'-DDA

bis(4-Chlorophenyl)acetic acid



p,p'-Dichlorodiphenylacetic acid

CAS 83-05-6 **MF** C₁₄H₁₀Cl₂O₂ **MW** 281.13 **PS** S
SG 1.4 g/cm³ **MP** 167-169 °C **SOL** M

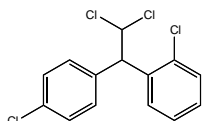
Matrix	Cat. No.	Unit
NEAT	P-444N	10 mg
100 µg/mL in MeOH	P-444S	1 mL
1000 µg/mL in MeOH	P-444S-10X	1 mL

2,4'-DDD, see o,p'-DDD

4,4'-DDD, see p,p'-DDD

o,p'-DDD

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



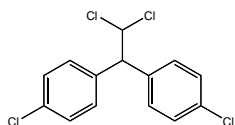
2,4'-DDD, Mitotane

CAS 53-19-0 **MF** C₁₄H₁₀Cl₄ **MW** 320.04 **PS** S
SG 1.37 g/cm³ **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** C₁₄H₁₀Cl₄ **MW** 320.04 **PS** S
SG 1.38 g/cm³ **MP** 109-111 °C **BP** 350 °C
SOL M,A,D,H,T,CN,TP,EA

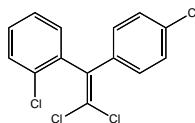
Matrix	Cat. No.	Unit
NEAT	P-025N	10 mg
100 µg/mL in MeOH	P-025S	1 mL
1000 µg/mL in MeOH	P-025S-10X	1 mL

2,4'-DDE, see o,p'-DDE

4,4'-DDE, see o,p'-DDE

o,p'-DDE

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



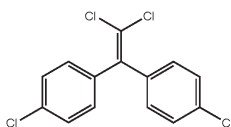
2,4'-DDE

CAS 3424-82-6 **MF** C₁₄H₈Cl₄ **MW** 318.02 **PS** S
SG 1.40 g/cm³ **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



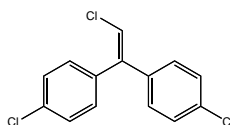
4,4'-DDE

CAS 72-55-9 **MF** C₁₄H₈Cl₄ **MW** 318.02 **PS** L
SG 0.86 g/cm³ **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

4,4'-DDMU

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



p,p'-DDMU

CAS 1022-22-6 **MF** C₁₄H₉Cl₃ **MW** 283.58 **PS** S
SG 1.32 g/cm³ **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

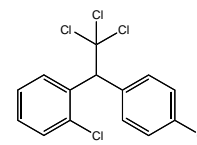
p,p'-DDMU, see 4,4'-DDMU

2,4'-DDT, see o,p'-DDT

4,4'-DDT, see p,p'-DDT

o,p'-DDT

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



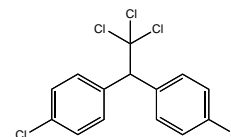
2,4'-DDT

CAS 789-02-6 **MF** C₁₄H₉Cl₅ **MW** 354.49 **PS** S
SG 0.99 g/cm³ **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

p,p'-DDT

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



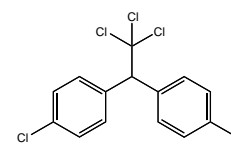
4,4'-DDT

CAS 50-29-3 **MF** C₁₄H₉Cl₅ **MW** 354.49 **PS** S
SG 0.99 g/cm³ **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

DDT, Tech

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



Dichlorodiphenyltrichloroethane

CAS 8017-34-3 **MF** C₁₄H₉Cl₅ **MW** 354.49 **PS** S
SG 1.45 g/cm³ **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 AcCN	P-346S-CN	1 mL

DDVP, see Dichlorvos

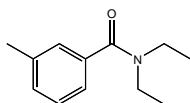
Dechlorane, see Mirex



Pesticide Standards

Deet (Off)

N,N-Diethyl-3-methylbenzamide

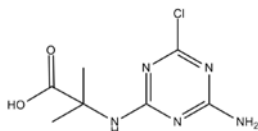


Diethyltoluamide, Off

CAS 134-62-3 **MF** C₁₂H₁₇NO **MW** 191.3 **PS** L
SG 0.99 g/cm³ **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

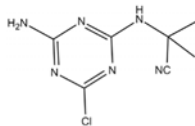
Deethylcyanazine acid



CAS 36749-35-6 **MF** C₁₇H₁₀NO **MW** 231.64 **PS** S
SG N/A **SOL** CN,M

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

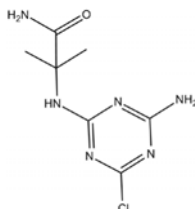
N-Deethylcyanazine



CAS 21725-40-6 **MF** C₈H₁₀ClN₅O₂ **MW** 212.64
PS X **SG** N/A **SOL** XXXXXX

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

N-Deethylcyanazine amide

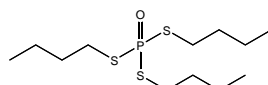


CAS 36556-77-1 **MF** C₈H₁₁ClN₅O **MW** 230.65
PS S **SG** N/A **SOL** CN,M

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

DEF 6

S,S,S-Tributylphosphorothioate



Tribufos

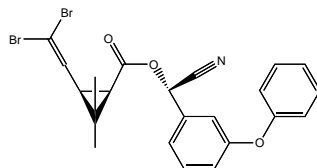
CAS 78-48-8 **MF** C₁₂H₂₇OPS₃ **MW** 314.54 **PS** L
SG 1.06 g/cm³ **BP** 210 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-150N	10 mg
100 µg/mL in MeOH	P-150S	1 mL

Delnav, see *Dioxathion*

Deltamethrin

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



Butoflin

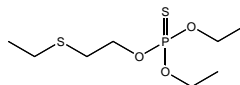
CAS 52918-63-5 **MF** C₂₂H₁₉Br₂NO₃ **MW** 505.2
PS S **SG** 0.55 g/cm³ **MP** 100-102 °C
SOL M,A,D,H,T,CN,TP,EA,IPA,DMSO

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

Demosan, see *Chloroneb*

Demeton (mixed isomers)

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



Systox

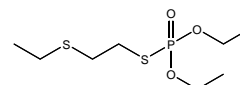
CAS 8065-48-3 **MF** C₈H₁₀O₃PS₂ **MW** 258.36 **PS** L
SG 1.13 g/cm³ **BP** 310 °C **FP** 45 °C
SOL M,A,D,H,T,CN,TP,EA

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 I (thiono isomer), see *Demeton-S*

Demeton-S

O,O-Diethyl S-2-ethylthioethyl phosphorothioate



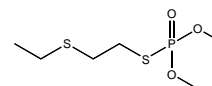
Demeton I (thiono isomer)

CAS 126-75-0 **MF** C₈H₁₀O₃PS₂ **MW** 258.36 **PS** L
SG 1.15 g/cm³ **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

Demeton-S-methyl

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



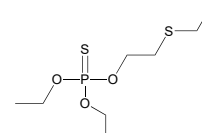
Metasystox I

CAS 919-86-8 **MF** C₈H₁₂O₃PS₂ **MW** 230.29 **PS** L
SG 1.21 g/cm³ **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

O-Demeton

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

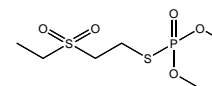


CAS 298-03-3 **MF** C₈H₁₀O₃S₂P **MW** 258.34 **PS** L
SG 1.12 g/cm³ **BP** 134 °C/2mm Hg **FP** 45 cc
SOL A,CN,D,H,M

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

Demeton-S-methylsulfone

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



Dioxydemeton-S-methyl

CAS 17040-19-6 **MF** C₈H₁₀O₅PS₂ **MW** 262.29
PS S **SG** 1.32 g/cm³ **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



Denatonium benzoate, see *Bitrex*

Desethyl atrazine, see *Atrazine desethyl*

Desethyl simazine, see *Atrazine-desisopropyl*

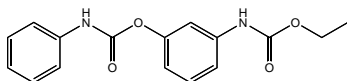
Desethylterbutylazine, see *Terbutylazine desethyl*

Desisopropylatrazine, see *Atrazine-desisopropyl*

Desisopropyl desethyl atrazine, see *Atrazine-desethyl-desisopropyl*

Desmedipham

Ethyl 3-phenylcarbamoyloxyphenylcarbamate



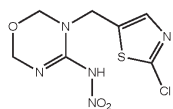
CAS 13684-56-5 **MF** C₁₆H₁₆N₂O₄ **MW** 300.31
PS S SG 1.30 g/cm³ **MP** 118-120 °C
BP Decomp. 234 °C **SOL** A,M,EA,D,T,H,CN

Matrix	Cat. No.	Unit
NEAT	P-376N	10 mg
100 µg/mL in MeOH	P-376S	1 mL

Desmethyl isotroturon, see *1-(4-isopropylphenyl)-3-methylurea*

N-Desmethylthiamethoxam

3-[(2-Chloro-1,3-thiazol-5-yl)methyl]-N-nitro-1,3,5-oxadiazinan-4-imine

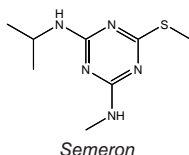


CAS 171103-04-1 **MF** C₇H₈ClN₃O₃S **MW** 277.69
PS S SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1266S	1 mL

Desmetryn

N-Isopropyl-N'-methyl-6-(methylsulfanyl)-1,3,5-triazine-2,4-diamine



CAS 1014-69-3 **MF** C₈H₁₅N₃S **MW** 213.3 **PS S**
SG 1.18 g/cm³ **MP** 84-86 °C **BP** 340 °C
FP >100 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-566N	10 mg
100 µg/mL in MeOH	P-566S	1 mL

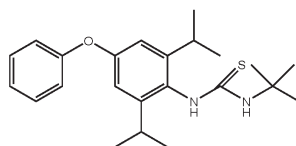
Desulfanyl fipronil, see *Fipronil desulfanyl*

Devrinol™, see *Napropamide*

Dexon, see *Fenaminosulf*

Diafenthuron

1-tert-Butyl-3-(2,6-diisopropyl-4-phenoxyphenyl)thiourea



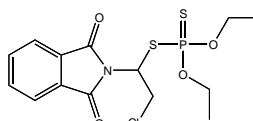
CAS 80060-09-9 **MF** C₂₃H₃₂N₂OS **MW** 384.58
PS S SG 1.09 g/cm³ **MP** 146 °C **BP** 448-450 °C
FP >149 °C **SOL** M,A,CN,T,H

Matrix	Cat. No.	Unit
NEAT	P-1064N	10 mg
100 µg/mL in Acetone	P-1064S-A	1 mL

Dialifor, see *Dialifos*

Dialifos

S-2-Chloro-1-phthalimidoethyl O,O-diethyl phosphorodithioate



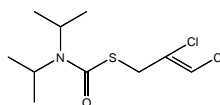
Dialifor, Torak

CAS 10311-84-9 **MF** C₁₄H₁₇ClNO₂PS₂ **MW** 393.85
PS S SG 1.43 g/cm³ **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)



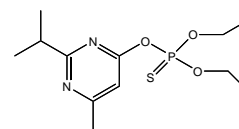
CAS 2303-16-4 **MF** C₁₀H₁₁Cl₂NOS **MW** 270.24
PS L SG 1.19 g/cm³ **BP** 290 °C
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-142N	10 mg
100 µg/mL in MeOH	P-142S	1 mL

Diazide®, see *Diazinon*

Diazinon

O,O-Diethyl O-2-isopropyl-6-methylpyrimidin-4-yl phosphorothioate



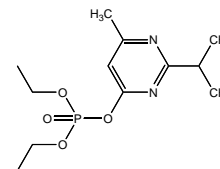
Basudin, Diazide®, Spectracide®

CAS 333-41-5 **MF** C₁₂H₂₁N₂O₃PS **MW** 304.35
PS L SG 1.12 g/cm³ **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

Diazinon-O analog

Diethyl 2-isopropyl-6-methyl-4-pyrimidinyl phosphate



Diazoxon

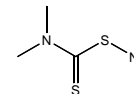
CAS 962-58-3 **MF** C₁₂H₂₁N₂O₄P **MW** 228.28
PS L SG 1.14 g/cm³ **BP** 336 °C **FP** 157 °C
SOL M,A,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-640N	10 mg
100 µg/mL in Acetone	P-640S-A	1 mL

Diazoxon, see *Diazinon-O analog*

Dibam

Sodium dimethyldithiocarbamate dihydrate



CAS 128-04-1 **MF** C₂H₆NNa₂S₂ **MW** 143.21 **PS S**
SG 1.17 g/cm³ **MP** 120-122 °C **SOL** M

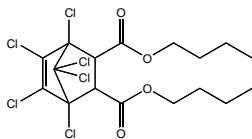
Matrix	Cat. No.	Unit
NEAT	P-487N	10 mg
100 µg/mL in MeOH	P-487S	1 mL

Dibrom, see *Naled*



Dibutylchlorendate

Dibutyl-1,4,5,6,7,7-hexachlorobicyclo(2.2.1)hept-5-ene-2,3-dicarboxylate

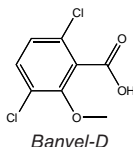


CAS 1770-80-5 **MF** C₁₇H₂₀Cl₆O₄ **MW** 501.05 **PS** L
SG 1.46 g/cm³ **BP** 500 °C **FP** 164 °C
SOL M,A,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-109N	10 mg
100 µg/mL in MeOH	P-109S	1 mL

Dicamba

3,6-Dichloro-o-anisic acid



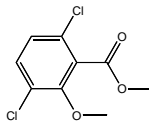
CAS 1918-00-9 **MF** C₈H₆Cl₂O₃ **MW** 221.04 **PS** S
SG 1.57 g/cm³ **MP** 115 °C **BP** Decomp. 230 °C
SOL M,A,D,H,T,CN,EA,W

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 acCN	P-008S-CN	1 mL

Dicamba, diglycoamine salt, tech, see Clarity

Dicamba methyl ester

Methyl 3,6-dichloro-2-methoxybenzoate



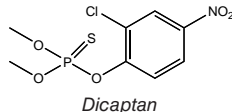
CAS 6597-78-0 **MF** C₉H₆Cl₂O₃ **MW** 235.07 **PS** L
SOL M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-071N	10 mg
100 µg/mL in MeOH	P-071S	1 mL

Dicaptan, see Dicapthon

Dicapthon

O-2-Chloro-4-nitrophenyl
O,O-dimethyl phosphorothioate

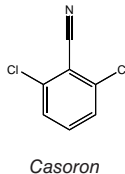


CAS 2463-84-5 **MF** C₈H₉ClNO₅PS **MW** 297.66
PS S **SG** 1.50 g/cm³ **MP** 52 °C **SOL** M,T

Matrix	Cat. No.	Unit
NEAT	P-035N	10 mg
100 µg/mL in MeOH	P-035S	1 mL
1000 µg/mL in MeOH	P-035S-10X	1 mL

Dichlobenil

2,6-Dichlorobenzonitrile

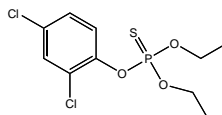


CAS 1194-65-6 **MF** C₇H₃Cl₂N **MW** 172.01 **PS** S
SG 1.55 g/cm³ **MP** 145-146 °C **BP** 270 °C
SOL M,A,D,H,T,CN,TP,EA

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

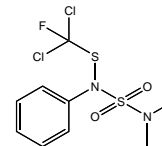


CAS 97-17-6 **MF** C₁₀H₁₃Cl₂O₃PS **MW** 315.15 **PS** L
SG 1.32 g/cm³ **BP** 120-123 °C (20mm Hg)
FP >100 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-211N	10 mg
100 µg/mL in MeOH	P-211S	1 mL

Dichlofluanid

1,1-Dichloro-N-[(dimethylamino)sulfonyl]-
1-fluoro-N-phenylmethanesulfenamide

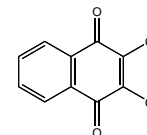


CAS 1085-98-9 **MF** C₉H₁₁Cl₂FN₂O₂S₂ **MW** 333.23
PS S **SG** 1.55 g/cm³ **MP** 106 °C **BP** 337 °C
FP 158 °C **SOL** M,A,D,H,T,CN,TP,EA, IPA

Matrix	Cat. No.	Unit
NEAT	P-474N	10 mg
100 µg/mL in MeOH	P-474S	1 mL

Dichlone

2,3-Dichloro-1,4-naphthoquinone



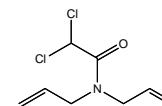
CAS 117-80-6 **MF** C₁₀H₄Cl₂O₂ **MW** 227.04 **PS** S
SG 1.54 g/cm³ **MP** 192-193 °C
BP 275 °C (2mm Hg) **SOL** M,D,TP

Matrix	Cat. No.	Unit
NEAT	P-253N	10 mg
100 µg/mL in MeOH	P-253S	1 mL

Dichloran, see Botran

Dichlorimid

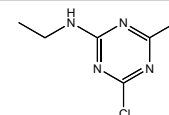
N,N-Diallyl-2,2-dichloroacetamide



CAS 37764-25-3 **MF** C₈H₁₁Cl₂NO **MW** 208.08 **PS** L
SG 1.2 g/cm³ **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

2,4-Dichloro-6-ethylamino-1,3,5-triazine



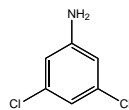
CAS 3440-19-5 **MF** C₅H₆Cl₂N₄ **MW** 193.03 **PS** S
MP 114-115 °C **SOL** MC

Matrix	Cat. No.	Unit
NEAT	P-538N	10 mg
100 µg/mL in MC	P-538S-MC	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



3,5-Dichloroaniline

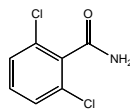


3,5-Dichlorobenzenamine

CAS 626-43-7 **MF** C₆H₅Cl₂N **MW** 162.02 **PS** S
SG 1.58 g/cm³ **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



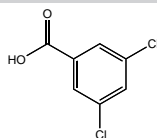
BAM

CAS 2008-58-4 **MF** C₇H₅Cl₂NO **MW** 190.03 **PS** S
SG 1.44 g/cm³ **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-Dichlorobenzenamine, see 3,5-Dichloroaniline

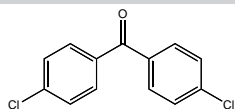
3,5-Dichlorobenzoic acid



CAS 51-36-5 **MF** C₇H₃Cl₂O₂ **MW** 191.01 **PS** S
SG 1.52 g/cm³ **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 AcCN	P-242S-CN	1 mL

4,4'-Dichlorobenzophenone



CAS 90-98-2 **MF** C₁₄H₈Cl₂O **MW** 251.11 **PS** S
SG 1.31 g/cm³ **MP** 144-147 °C **BP** 353 °C
FP 156 °C **SOL** M,D,H

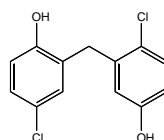
Matrix	Cat. No.	Unit
NEAT	P-295N	10 mg
100 µg/mL in MeOH	P-295S	1 mL
1000 µg/mL in MeOH	P-295S-10X	1 mL

p,p'-Dichlorodiphenylacetic acid, see p,p'-DDA

Dichlorodiphenyltrichloroethane, see DDT, Tech

Dichlorophen

4,4'-Dichloro-2-2'-methylene-diphenol



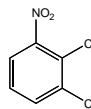
CAS 97-23-4 **MF** C₁₃H₁₀Cl₂O₂ **MW** 269.13 **PS** S
SG 1.42 g/cm³ **MP** 177-178 °C **SOL** A,IPA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-232N	10 mg
100 µg/mL in MeOH	P-232S	1 mL

2,4-Dichlorophenoxy acid 2-ethylhexyl ester, see 2,4-D Ethylhexyl ester

2,3-Dichloronitrobenzene

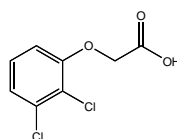
1,2-Dichloro-3-nitrobenzene



CAS 3209-22-1 **MF** C₆H₃Cl₂NO₂ **MW** 192.00 **PS** S
SG 1.72 g/cm³ **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

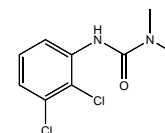


2,3-D

CAS 2976-74-1 **MF** C₈H₆Cl₂O₃ **MW** 221.04 **PS** S
SG 1.49 g/cm³ **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 AcCN	P-470S-CN	1 mL

3-(2,3-Dichlorophenyl)-1,1-dimethylurea

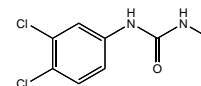


2,3-Diuron

CAS 10290-37-6 **MF** C₉H₁₀Cl₂N₂O **MW** 233.09
PS S **SG** 1.37 g/cm³ **MP** 80-81 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-632N	10 mg
100 µg/mL in MeOH	P-632S	1 mL

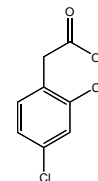
1-(3,4-Dichlorophenyl)-3-methylurea



CAS 3567-62-2 **MF** C₉H₈Cl₂N₂O **MW** 219.07 **PS** S
SG 1.41 g/cm³ **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



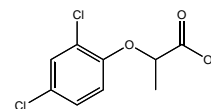
DCAA

CAS 19719-28-9 **MF** C₈H₆Cl₂O₂ **MW** 205.04 **PS** S
SG 1.46 g/cm³ **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 AcCN	P-244S-CN	1 mL

Dichlorprop

(RS)-2-(2,4-Dichlorophenoxy)propionic acid



2,4-DP

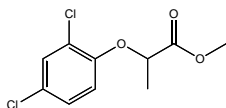
CAS 120-36-5 **MF** C₉H₈Cl₂O₃ **MW** 235.07 **PS** S
SG 1.42 g/cm³ **MP** 110-112 °C **FP** 204 °C
SOL M,A,D,H,T,CN,EA,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-143N	10 mg
100 µg/mL in MeOH	P-143S ▲	1 mL
100 µg/mL in AcCN	P-143S-CN	1 mL



Dichlorprop methyl ester

Methyl 2-(2,4-dichlorophenoxy)propionate



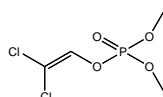
CAS 57153-17-0 **MF** C₁₀H₁₀Cl₂O₃ **MW** 249.09 **PS L**
SG 1.31 g/cm³ **BP** 111 °C (0.8mm Hg) **SOL** M,H,T

Matrix	Cat. No.	Unit
NEAT	P-229N	10 mg
100 µg/mL in MeOH	P-229S	1 mL

Dichlorprop, 2-ethylhexyl ester, see 2,4-DP ethyl hexyl

Dichlorvos

O,O-Dimethyl-O-(2,2-Dichlorovinyl)phosphate



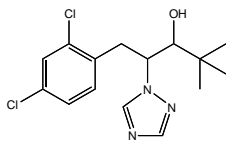
DDVP, Vapona

CAS 62-73-7 **MF** C₄H₇Cl₂O₃P **MW** 220.98 **PS L**
SG 1.42 g/cm³ **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 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

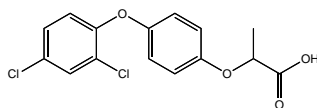


CAS 75736-33-3 **MF** C₁₃H₁₉Cl₂N₃O **MW** 328.24
PS S **SG** 1.28 g/cm³ **MP** 147-149 °C **BP** 484 °C
FP 247 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-641N	10 mg
100 µg/mL in AcCN	P-641S-CN	1 mL

Diclofop

2-(4-(2,4-Dichlorophenoxy)phenoxy)propanoic acid



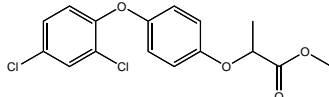
Hoe-grass

CAS 40843-25-2 **MF** C₁₆H₁₂Cl₂O₄ **MW** 327.17 **PS S**
SG 1.34 g/cm³ **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

Diclofop methyl

Methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionate



CAS 51338-27-3 **MF** C₁₆H₁₄Cl₂O₄ **MW** 341.2 **PS S**
SG 1.40 g/cm³ **MP** 39-41 °C **BP** 370 °C
SOL M,A,D,H,T,CN,TP,DMSO,EA,IPA

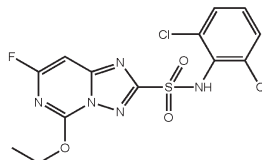
Matrix	Cat. No.	Unit
NEAT	P-303N	10 mg
100 µg/mL in MeOH	P-303S	1 mL

Dicofol, see Kelthane

p,p'-Dicofol, see Kelthane

Diclosulam

N-(2,6-Dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4]triazolo[1,5-c]pyrimidine-2-sulfonamide

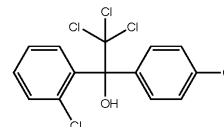


CAS 145701-21-9 **MF** C₁₃H₁₀Cl₂FN₅O₃S **MW** 406.22
PS L **SG** 1.60 g/cm³ **MP** 218-221 °C
SOL A,D,EA,M,CN

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

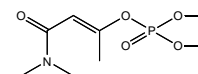


CAS 10606-46-9 **MF** C₁₄H₉Cl₅O **MW** 370.49
PS S **SG** 1.45 g/cm³ **MP** 122 °C **SOL** M,A,H,T,TP

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



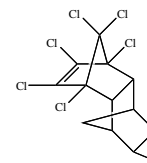
Bidrin

CAS 141-66-2 **MF** C₈H₁₆NO₃P **MW** 237.19 **PS L**
SG 1.22 g/cm³ **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

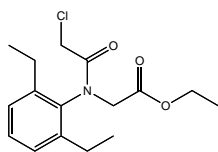
CAS 60-57-1 **MF** C₁₂H₈Cl₆O **MW** 380.92 **PS S**
SG 1.75 g/cm³ **MP** 176-177 °C **BP** 385 °C
SOL M,A,D,H,T,CN,EA

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 C₁₆H₂₂ClNO₃ MW 311.84 PS L
SG 1.38 g/cm³ MP 50 °C SOL M,IPA

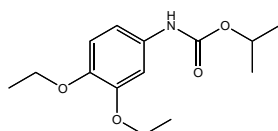
Matrix	Cat. No.	Unit
NEAT	P-599N	10 mg
100 µg/mL in MeOH	P-599S	1 mL

Diethion, see *Ethion*

Diethquinalphos, see *Quinalphos*

Diethofencarb

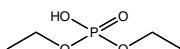
Isopropyl 3,4-diethoxybenzylcarbamate



CAS 87130-20-9 MF C₁₄H₂₁NO₄ MW 267.36 PS S
SG 1.19 g/cm³ 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

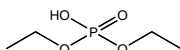
Diethyl phosphate (mono- & di-)



CAS N/A MF C₄H₁₁O₄P MW 154.1 PS L
SG 1.29 g/cm³ 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



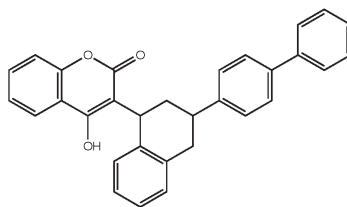
CAS 598-02-7 MF C₄H₁₁O₄P MW 154.1 PS L
SG 1.29 g/cm³ BP 203 °C FP 91 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-534N	10 mg
100 µg/mL in MeOH	P-534S	1 mL

Diethyltoluamide, see *Deet*

Difenacoum

3-[3-(4-Biphenyl)-1,2,3,4-tetrahydro-1-naphthalenyl]-4-hydroxy-2H-chromen-2-one

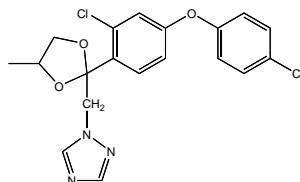


CAS 56073-07-5 MF C₂₉H₂₄O₃ MW 444.52 PS S
SG 1.35 g/cm³ MP 215-217 °C SOL M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	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

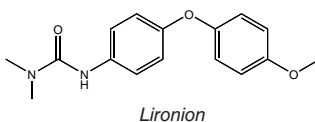


CAS 119446-68-3 MF C₁₉H₁₇Cl₂N₃O₃ MW 406.26
PS S SG 1.40 g/cm³ MP 79 °C BP 101 °C
FP 285 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-447N	10 mg
100 µg/mL in MeOH	P-447S	1 mL

Difenoxuron

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

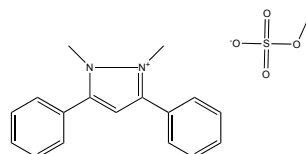


CAS 14214-32-5 MF C₁₆H₁₈N₂O₃ MW 286.33 PS S
SG 1.19 g/cm³ MP 138-139 °C SOL M,CN,D,A,H

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

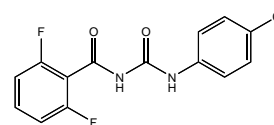


CAS 43222-48-6 MF C₁₈H₂₀N₂O₃S MW 360.43 PS S
SG 0.8 g/cm³ MP 157-158 °C SOL W,D,M,A,CN

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

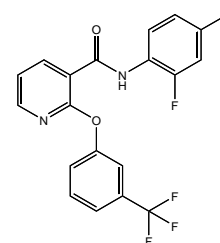


CAS 35367-38-5 MF C₁₄H₉ClF₂N₂O₂ MW 310.68
PS S SG 1.56 g/cm³ MP 230-232 °C BP 257 °C
SOL M,A,D,CN,EA, H,T

Matrix	Cat. No.	Unit
NEAT	P-377N	10 mg
100 µg/mL in MeOH	P-377S	1 mL

Diflufenican

2',4'-Difluoro-2-(a,a,a-trifluoro-m-tolyloxy)nicotinamide



Diflufenicanil

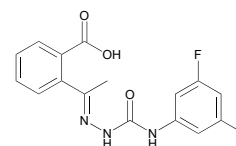
CAS 83164-33-4 MF C₁₉H₁₁F₅N₂O₂ MW 394.29 PS S
SG 1.54 g/cm³ MP 160 °C SOL M,EA,A,D,CN,T

Matrix	Cat. No.	Unit
NEAT	P-722N	10 mg
100 µg/mL in MeOH	P-722S	1 mL

Diflufenicanil, see *Diflufenican*

Diflufenzopyr

2-[(E)-1-[4-(3,5-difluorophenyl)semicarbazono]ethyl]nicotinic acid

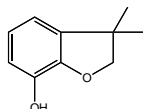


CAS 109293-97-2 MF C₁₅H₁₂F₂N₂O₃ MW 334.28
PS S SG 0.24 g/cm³ MP 136 °C
BP decomp. 155 °C SOL CN,M

Matrix	Cat. No.	Unit
NEAT	P-1210N	10 mg



2,3-Dihydro-2,2-dimethylbenzofuran-7-ol



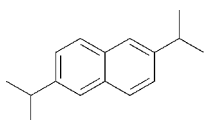
Carbofuran phenol

CAS 1563-38-8 MF C₁₀H₁₂O₂ MW 164.21 PS L
SG 1.10 g/cm³ 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

1,2-Dihydro-3,6-pyridazinone,
see Maleic hydrazide

2,6-Diisopropynaphthalene

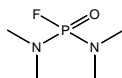


CAS 24157-81-1 MF C₁₆H₂₀ MW 212.34 PS S
SG 0.49 g/cm³ MP 67-69 °C SOL A

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



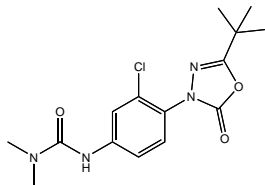
Tetramethylphosphorodiamidic fluoride (I)

CAS 115-26-4 MF C₄H₁₂FN₂OP MW 154.12 PS L
SG 1.11 g/cm³ 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

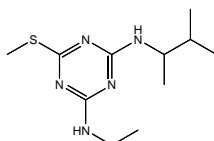


CAS 34205-21-5 MF C₁₅H₁₉ClN₄O₃ MW 338.83
PS S MP 193 °C SOL M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-565N	10 mg
100 µg/mL in MeOH	P-565S	1 mL

Dimepax

N-(1,2-Dimethylpropyl)-N'-ethyl-6-(methylthio)
1,3,5-triazine-2,4-diamine



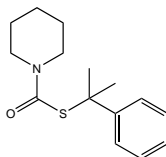
Dimepax

CAS 22936-75-0 MF C₁₁H₁₇N₃S MW 255.43 PS S
SG 1.11 g/cm³ 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

Dimepiperate

S-(1-Methyl-1-phenylethyl) 1-piperidinecarbothioate

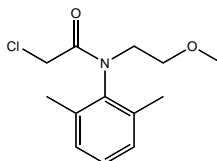


CAS 61432-55-1 MF C₁₅H₂₁NOS MW 263.40 PS S
SG 1.08 g/cm³ MP 39-40 °C BP 376 °C SOL A,H

Matrix	Cat. No.	Unit
50 µg/mL in Acetone	P-1020S-A-05X	1 mL

Dimethachlor

2-Chloro-N-(2-methoxyethyl)aceto-2',6'-xylylide

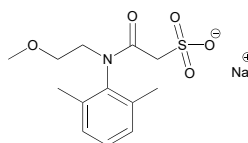


CAS 50563-36-5 MF C₁₃H₁₈ClNO₂ MW 255.77 S S
SG 1.21 g/cm³ MP 47 °C BP Decom. 300 °C
FP 180 °C SOL M,A,H,CN,D,W

Matrix	Cat. No.	Unit
NEAT	P-642N	10 mg
100 µg/mL in MeOH	P-642S	1 mL

Dimethachlor ESA sodium salt

Sodium 2-[(2,6-dimethylphenyl)(2-methoxyethyl)
amino]-2-oxo-ethanesulfonate



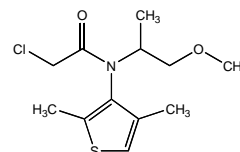
CAS N/A MF C₁₃H₁₈NNaO₅S MW 323.34 SOL A,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-914S	1 mL

Dimethametryn, see Dimepax

Dimethenamid

(RS)-2-Chloro-N-(2,4-dimethyl-3-thienyl)-N-(
2-methoxy-1-methylethyl)acetamide

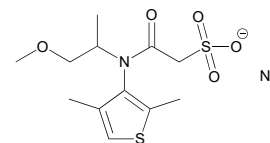


CAS 87674-68-8 MF C₁₂H₁₈ClNO₂S MW 275.8
PS L SG 1.20 g/cm³ BP 354 °C FP 91 °C
SOL A,EA,H,T,TP,M

Matrix	Cat. No.	Unit
NEAT	P-747N	10 mg
100 µg/mL in MeOH	P-747S	1 mL

Dimethenamid ESA sodium salt

Sodium 2-[(2,4-dimethylthiophen-3-yl)(2-me-
thoxy-1-methylethyl)amino]-2-oxo-ethanesulfonate

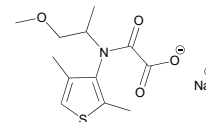


CAS 205939-58-8 MF C₁₃H₁₈NNaO₅S₂ MW 366.5
PS S MP 150-153 °C SOL CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-917S	1 mL

Dimethenamid OA sodium salt

Sodium [(2,4-dimethylthiophen-3-yl)(2-me-
thoxy-1-methylethyl)amino]-oxo-acetate



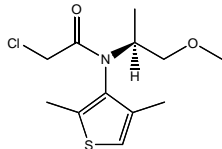
CAS N/A MF C₁₂H₁₆NO₄Na MW 293 PS S
MP 225 °C SOL CN,M

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

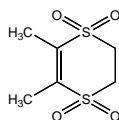


CAS 163515-14-8 **MF** C₁₂H₁₆ClNO₂S **MW** 275.8
PS L **SG** 1.20 g/cm³ **BP** 280 °C **FP** >150 °C
SOL H,M,W

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



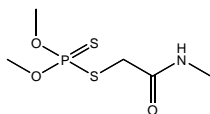
Harvade

CAS 55290-64-7 **MF** C₆H₁₀O₄S₂ **MW** 210.27 **PS** S
SG 1.59 g/cm³ **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



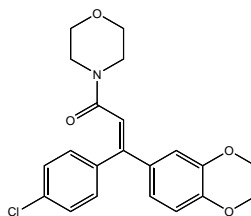
Cygon, Rogor

CAS 60-51-5 **MF** C₅H₁₂NO₃P₂ **MW** 229.26 **PS** S
SG 1.31 g/cm³ **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

Dimethomorph

(E,Z)-4-[3-(4-Chlorophenyl)-3-(3,4-dimethoxyphenyl)acryloyl]morpholine



Dimethomorph mixture of E + Z isomers

CAS 110488-70-5 **MF** C₂₁H₂₂ClNO₄ **MW** 387.86
PS S **SG** 1.32 g/cm³ **MP** 125-149 °C
SOL A,H,M,T,CN,EA,D

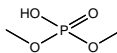
Matrix	Cat. No.	Unit
NEAT	P-713N	10 mg
100 µg/mL in MeOH	P-713S	1 mL

Dimethomorph mixture of E + Z isomers, see Dimethomorph

Dimethoxon, see Omethoate

Dimethyl phosphate

O,O-Dimethyl hydrogen phosphate



CAS 813-78-5 **MF** C₂H₄O₄P **MW** 126.04 **PS** L
SG 1.32 g/cm³ **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

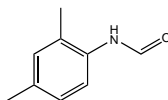


Cacodylic acid

CAS 75-60-5 **MF** C₂H₄AsO₂ **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

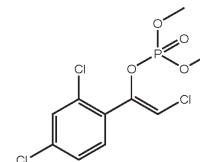
CAS 60397-77-5 **MF** C₉H₁₁NO **MW** 149.19 **PS** S
MP 114-118 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1100S-CN	1 mL

N,N-Dimethyl-*N'*-(4-(1-methylethyl)phenyl)urea, see Isoproturon

Dimethylvinphos (Z type)

(Z)-2-Chloro-1-(2,4-dichlorophenyl)vinyl dimethyl phosphate

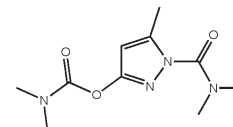


CAS 67628-93-7 **MF** C₁₀H₁₀Cl₃O₄P **MW** 331.52
PS S **SG** 1.26 g/cm³ **MP** 69-70 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1057S-A	1 mL

Dimetilan

1-(Dimethylcarbamoyl)-5-methyl-1H-pyrazol-3-yl dimethylcarbamate

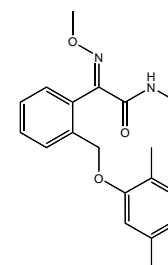


CAS 644-64-4 **MF** C₁₀H₁₆N₄O₃ **MW** 240.26 **PS** S
SG 1.25 g/cm³ **MP** 69-70 °C **BP** 200-210 °C (10mm Hg) **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-905S-CN	1 mL

Dimoxystrobin

(E)-2-(Methoxyimino)-N-methyl-2-[a-(2,5-xylyloxy)-o-tolyl]acetamide



CAS 149961-52-4 **MF** C₁₉H₂₂N₂O₃ **MW** 326.39
PS S **SG** 1.24 g/cm³ **MP** 138-140 °C
SOL A,T,M,EA,CN,IPA,D

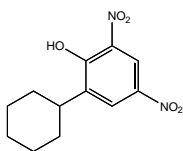
Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-844S-CN	1 mL



Pesticide Standards

Dinex

2-Cyclohexyl-4,6-Dinitrophenol



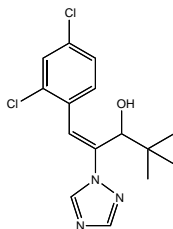
4,6-Dinitro-o-cyclohexylphenol

CAS 131-89-5 **MF** C₁₂H₁₄N₂O₅ **MW** 266.25 **PS** S
SG 1.38 g/cm³ **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

Diconazol

(E)-(RS)-1-(2,4-Dichlorophenyl-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol



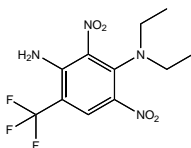
Embassador™, Spotless™

CAS 83657-24-3 **MF** C₁₅H₁₇Cl₂N₃O **MW** 326.22
PS S **SG** 1.32 g/cm³ **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 AcCN	P-845S-CN	1 mL

Dinitramine

N,N-Diethyl-2,6-dinitro-4-(trifluoromethyl)-m-phenylenediamine

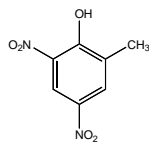


CAS 29091-05-2 **MF** C₁₁H₁₃F₃N₄O₄ **MW** 322.24
PS S **SG** 1.46 g/cm³ **MP** 98-99 °C **BP** Decomp.
200 °C **SOL** M,A,CN,TP,H

Matrix	Cat. No.	Unit
NEAT	P-575N	10 mg
100 µg/mL in MeOH	P-575S	1 mL

4,6-Dinitro-o-cresol

2-Methyl-4,6-dinitrophenol



DNOC

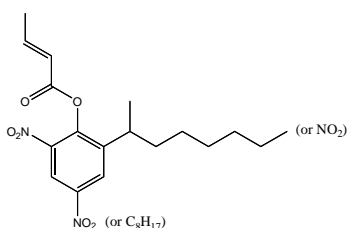
CAS 534-52-1 **MF** C₇H₆N₂O₅ **MW** 198.13 **PS** S
SG 1.56 g/cm³ **MP** 88 °C **BP** 312 °C
SOL M,A,D,H,T,CN,W,EA

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

4,6-Dinitro-o-cyclohexylphenol, see Dinex

Dinocap

2,6-Dinitro-4-octylphenyl crotonates

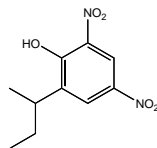


CAS 39300-45-3 **MF** C₁₈H₂₄N₂O₆ **MW** 364.39 **PS** L
SG 1.10 g/cm³ **BP** 138-140 °C (0.05mm Hg)
SOL M,A,D,CN,EA

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



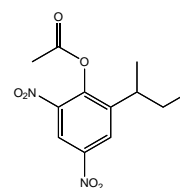
DNBP

CAS 88-85-7 **MF** C₁₀H₁₂N₂O₅ **MW** 240.21 **PS** S
SG 1.30 g/cm³ **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



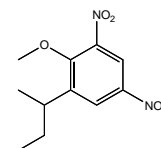
CAS 2813-95-8 **MF** C₁₂H₁₄N₂O₆ **MW** 282.25 **PS** L
SG 1.30 g/cm³ **BP** 170 °C **FP** >100 °C **SOL** EA

Matrix	Cat. No.	Unit
NEAT	P-779N	10 mg
100 µg/mL in MeOH	P-779S	1 mL

Dinoseb methyl ester, see Dinoseb methyl ether

Dinoseb methyl ether

2-sec-Butyl-4,6-dinitroanisole



Dinoseb methyl ester

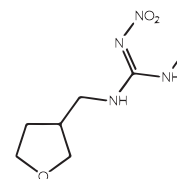
CAS 6099-79-2 **MF** C₁₁H₁₄N₂O₅ **MW** 254.24 **PS** L
SOL M,A,D,H,T

Matrix	Cat. No.	Unit
NEAT	P-230N	10 mg
100 µg/mL in MeOH	P-230S	1 mL

Dinoseb methacrylate, see Binapacryl

Dinotefuran

(RS)-1-Methyl-2-nitro-3-(tetrahydro-3-furylmethyl)guanidine



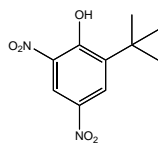
CAS 165252-70-0 **MF** C₇H₁₄N₄O₃ **MW** 202.21
PS S **SG** 1.42 g/cm³ **MP** 107-108 °C
BP Decomp. 208 °C **SOL** M,CN,H,T

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-986S-CN	1 mL



Dinoterb

2-tert-Butyl-4,6-dinitrophenol



DNTBP

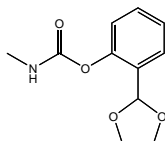
CAS 1420-07-1 **MF** C₁₀H₁₂N₂O₅ **MW** 240.21 **PS** S
SG 1.35 g/cm³ **MP** 125.5-126.5 °C **BP** Decomp.
220 °C **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-524S	1 mL

Dioctyl adipate, see bis(2-Ethylhexyl)adipate

Dioxacarb

2-(1,3-Dioxolan-2-yl)phenyl methylcarbamate

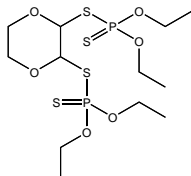


CAS 6988-21-2 **MF** C₁₁H₁₃NO₄ **MW** 223.25 **PS** S
SG 1.46 g/cm³ **MP** 114-115 °C **SOL** M,A,CN,H

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

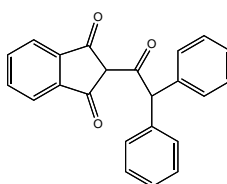
CAS 78-34-2 **MF** C₁₂H₂₆O₆P₂S₄ **MW** 456.56 **PS** L
SG 1.26 g/cm³ **BP** 60-68 °C **SOL** M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-219N	10 mg
100 µg/mL in MeOH	P-219S	1 mL
1000 µg/mL in Hexane	P-219S-H-10X	1 mL

Dioxydemeton-S-methyl, see Demeton-s-methyl-sulfone

Diphacinone

2-Diphenylacetyl-1,3-indandione



Diphacinone

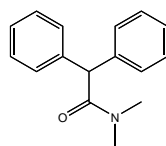
CAS 82-66-6 **MF** C₂₃H₁₆O₃ **MW** 340.37 **PS** S
SG 1.28 g/cm³ **MP** 146 °C **SOL** M,A,T

Matrix	Cat. No.	Unit
NEAT	P-315N	10 mg
100 µg/mL in MeOH	P-315S	1 mL

Diphenadione, see Diphacinone

Diphenamid

N,N-Dimethyl-2,2-diphenylacetamide



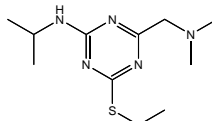
Dymid, Enide

CAS 957-51-7 **MF** C₁₆H₁₇NO **MW** 239.31 **PS** S
SG 1.17 g/cm³ **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

Dipropetryn

6-(Ethylsulfanyl)-N,N'-diisopropyl-1,3,5-triazine-2,4-diamine



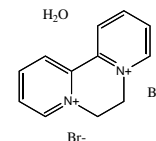
Sancap

CAS 4147-51-7 **MF** C₁₁H₂₁N₃S **MW** 255.38 **PS** S
SG 1.11 g/cm³ **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

Dipropyl isocinchomerate, see MGK-326

Diquat dibromide monohydrate

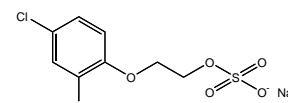


CAS 6385-62-2 **MF** C₁₂H₁₂N₂•2Br•H₂O **MW** 362.06
PS S **MP** 337 °C (decomp.) **SOL** M,W

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 salt

Sodium 2,4-dichlorophenoxyethyl sulfate



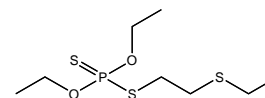
Crag Herbicide, Sesone

CAS 136-78-7 **MF** C₈H₇Cl₂O₅•Na **MW** 309.1 **PS** S
SG 1.70 g/cm³ **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



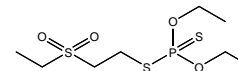
Disyston, Thiodemeton

CAS 298-04-4 **MF** C₈H₁₆O₂PS₃ **MW** 274.41 **PS** L
SG 1.14 g/cm³ **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-ethylsulfonyl ethyl phosphorodithioate



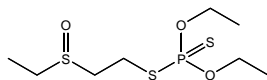
CAS 2497-06-5 **MF** C₈H₁₆O₄PS₃ **MW** 306.41 **PS** L
SOL M,A,T,CN,EA

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-ethylsulfinyethyl phosphorodithioate



Oxydisulfoton

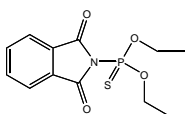
CAS 2497-07-6 MF C₈H₁₈O₃PS₃ MW 290.41 PS L
SG 1.27 g/cm³ BP 409 °C FP 93 °C SOL M,D,T,CN

Matrix	Cat. No.	Unit
NEAT	P-593N	10 mg
100 µg/mL in MeOH	P-593S	1 mL

Disyston, see *Disulfoton*

Ditalimfos

O,O-Diethyl phthalimidophosphonothioate

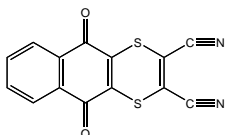


CAS 5131-24-8 MF C₁₂H₁₄NO₂PS MW 299.28
PS S SG 1.38 g/cm³ MP 89-91 °C BP 400 °C
FP >100 °C SOL M,CN

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

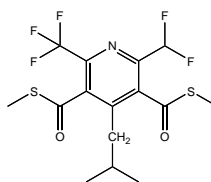


CAS 3347-22-6 MF C₁₄H₈N₂O₂S₂ MW 296.33 PS S
SG 1.58 g/cm³ MP 225 °C FP >300 °C
SOL T,A,EA,H,M,CN

Matrix	Cat. No.	Unit
NEAT	P-725N	10 mg
100 µg/mL in Acetone	P-725S-A	1 mL

Dithiopyr

S,S'-Dimethyl-2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-3,5-pyridinedicarbothioate



CAS 97886-45-8 MF C₁₅H₁₆F₅NO₂S₂ MW 401.44
PS S SG 1.41 g/cm³ 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

Diuroil, see *Amitrole (ATA)*

Diuron, see *Karmex*

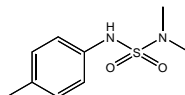
2,3-Diuron, see 3-(2,3-Dichlorophenyl)-1,1-dimethyl-urea

DMDT, see *Methoxychlor*

2,4-DMPF, see *N-(2,4-Dimethylphenyl)formamide*

DMST

N,N-Dimethyl-N'-tolylsulfonyldiamide



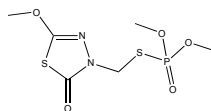
Tolylfluanid metabolite

CAS 66840-71-9 MF C₉H₁₄N₂O₂S MW 214.29
PS S SG 1.26 g/cm³ MP 88-91 °C SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-572S	1 mL

DMTP Oxon

S-[(5-Methoxy-2-oxo-1,3,4-thiadiazol-3(2H)-yl)methyl] O,O-dimethyl phosphorothioate



Methidathion Oxon

CAS 39856-16-1 MF C₆H₁₁N₂O₅PS₂ MW 286.26
PS S MP 54 °C SOL W,A,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1352S	1 mL

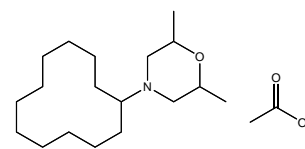
DNBP, see *Dinoseb*

DNOC, see 4,6-Dinitro-o-cresol

DNTBP, see *Dinoterb*

Dodemorph acetate

N-Cyclododecyl-2,6-dimethylmorpholinium acetate



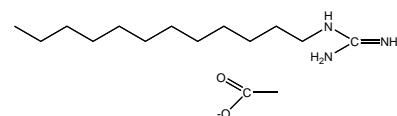
Meltatox

CAS 31717-87-0 MF C₁₈H₃₅NO•C₂H₄O₂ MW 341.53
PS L SG 0.93 g/cm³ 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

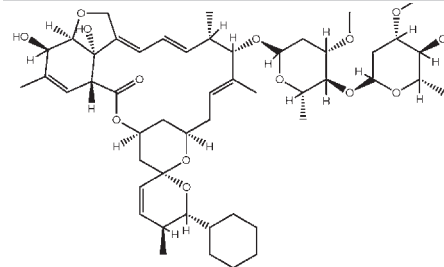


Cyprex

CAS 2439-10-3 MF C₁₃H₂₉N₃•C₂H₄O₂ 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 C₅₀H₇₄O₁₄ MW 899.11 PS S
SG 1.35 g/cm³ MP 116-119 °C SOL CN

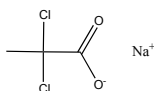
Matrix	Cat. No.	Unit
NEAT	P-935N	10 mg
100 µg/mL in AcCN	P-935S-CN	1 mL

2,4-DP, see *Dichlorprop*



DPA Sodium

Sodium 2,2-dichloropropionate



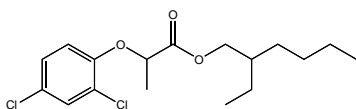
Dalapon-sodium

CAS 127-20-8 **MF** C₃H₃Cl₂NaO₂ **MW** 164.95 **PS** S
SG 1.74 g/cm³ **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



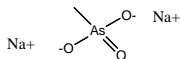
Dichlorprop, 2-ethylhexyl ester

CAS 79270-78-3 **MF** C₁₇H₂₄Cl₂O₃ **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

DSMA

Disodium methane arsonate hexahydrate

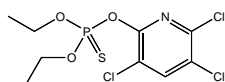


CAS 144-21-8 **MF** CH₃AsNa₂O₃ **MW** 183.94 **PS** S
SG 1.15 g/cm³ **MP** >300 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-598N	10 mg
100 µg/mL in MeOH	P-598S	1 mL

Dursban

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



Brodan, Chlorpyrifos, Eradex

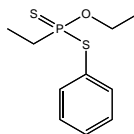
CAS 2921-88-2 **MF** C₉H₁₁Cl₃NO₃PS **MW** 350.59
PS S **SG** 1.51 g/cm³ **MP** 37-38 °C
SOL M,A,D,H,T,CN,TP,EA

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

Dybar, see Fenuron

Dyfonate

O-Ethyl S-phenyl (RS)-ethylphosphonodithioate



Fonofos

CAS 944-22-9 **MF** C₁₀H₁₅OPS₂ **MW** 246.33 **PS** L
SG 1.16 g/cm³ **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
100 µg/mL in Hexane	P-087S-H	1 mL

Dymid, see Diphenamid

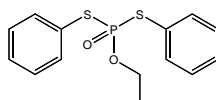
Dymron, see Daimuron

Dynam, see Oxasulfuron

Dyrene, see Anilazine

Edifenphos

O-Ethyl S,S-diphenyl phosphorothioate



CAS 17109-49-8 **MF** C₁₄H₁₅O₂PS₂ **MW** 310.38 **PS** L
SG 1.27 g/cm³ **BP** 449 °C **FP** 115 °C
SOL H,D,IPA,T,CN,M

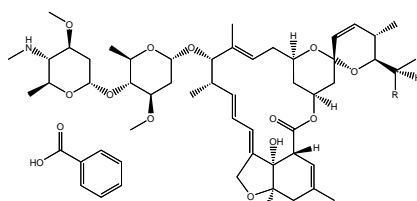
Matrix	Cat. No.	Unit
NEAT	P-368N	10 mg
100 µg/mL in MeOH	P-368S	1 mL

Ebufos, see Cadusafos

Ekatin, see Thiometon

Emamectin-benzoate

(4'R)-4''-Deoxy-4''-(methylamino)avermectin B1 benzoate (1:1)



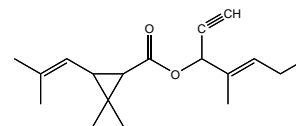
CAS 155569-91-8 **MF** C₅₅H₇₉NO₁₅ or C₅₆H₈₁NO₁₅
MW 994.21 or 1008.24 **MP** 146-150 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-996N-5MG	5 mg
100 µg/mL in MeOH	P-996S	1 mL

Embassador™, see Diniconazol

Empenthrin

(E)-(RS)-1-Ethynyl-2-methylpent-2-enyl (1R,3RS;1R,3SR)-2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate



CAS 54406-48-3 **MF** C₁₈H₂₆O₂ **MW** 274.4 **PS** L
SG 0.93 g/cm³ **BP** 296 °C **SOL** H,A,M

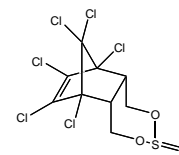
Matrix	Cat. No.	Unit
NEAT	P-708N	10 mg

alpha-Endosulfan, see Endosulfan I

beta-Endosulfan, see Endosulfan II

Endosulfan I

endo-1,4,5,6,7,7-Hexachloro-5-norbomene-2,3-dimethanol, cyclic sulfite



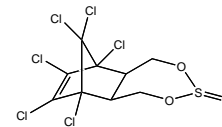
alpha-Endosulfan, alpha-Thiodan

CAS 959-98-8 **MF** C₉H₆Cl₆O₃S **MW** 406.92 **PS** S
SG 1.8 g/cm³ **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

Endosulfan II

3-alpha,5a-alpha,6-beta,9-beta,9a-alpha-(1,4,5,6,7,7-Hexachloro-8,9,10-trinorbom-5-ene-2,3-ylenebismethylene) sulfite



beta-Endosulfan, Thiodan II

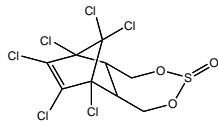
CAS 33213-65-9 **MF** C₉H₆Cl₆O₃S **MW** 406.91 **PS** S
SG 1.8 g/cm³ **MP** 207-209 °C **BP** 401 °C
FP 226 °C **SOL** M,A,D,H,T,CN,TP,EA

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



Endosulfan, mixed isomers

(1,4,5,6,7,7-Hexachloro-8,9,10-trinorborn-5-en-2,3-ylenebismethylene)sulfite

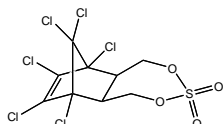


CAS 115-29-7 **MF** C₉H₆Cl₆O₃S **MW** 406.92 **PS** S
SG 1.80 g/cm³ **MP** 106 °C **SOL** M,A,D,H,T,EA

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

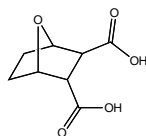


CAS 1031-07-8 **MF** C₉H₆Cl₆O₄S **MW** 422.92 **PS** S
SG 1.94 g/cm³ **MP** 180 °C **SOL** M,A,D,H,T,CN,EA

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

Endothall ▲

7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid



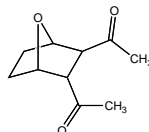
3,6-Endoxohexahydrophthalic acid

CAS 145-73-3 **MF** C₈H₁₀O₅ **MW** 186.16 **PS** S
SG 1.43 g/cm³ **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



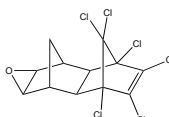
CAS N/A **MF** C₁₀H₁₄O₃ **MW** 182.22 **PS** S
MP 69-70 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-603N	10 mg
100 µg/mL in MeOH	P-603S	1 mL

3,6-Endoxohexahydrophthalic acid, see Endothall

Endrin

Hexachloroepoxyoctahydro-endo,endo-dimethanonaphthalene



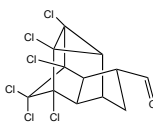
Hexadrin

CAS 72-20-8 **MF** C₁₂H₈Cl₆O **MW** 380.91 **PS** S
SG 1.84 g/cm³ **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

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

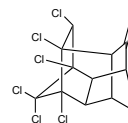


CAS 7421-93-4 **MF** C₁₂H₈Cl₆O **MW** 380.91 **PS** S
MP 155 °C **SOL** M,A,D,H,T,CN,EA

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** C₁₂H₈Cl₆O **MW** 380.91 **PS** S
SG 1.87 g/cm³ **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

Enide, see Diphenamid

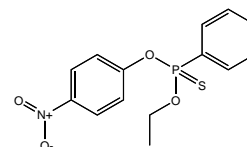
Enilconazole, see Imazalil

ENT 8184, see MGK-264

Entex, see Fenthion

EPN

O-Ethyl O-4-nitrophenyl phenylphosphonothioate

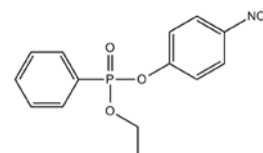


CAS 2104-64-5 **MF** C₁₄H₁₄NO₄PS **MW** 323.32 **PS** S
SG 1.27 g/cm³ **MP** 35 °C **BP** 215 °C (5mm Hg)
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-220N	10 mg
100 µg/mL in Acetone	P-220S-A	1 mL
1000 µg/mL in Hexane	P-220S-H-10X	1 mL

EPN Oxon

Ethyl 4-nitrophenyl phenylphosphonate



CAS 2012-00-2 **MF** C₁₄H₁₄NO₅P **MW** 307.24 **PS** S
MP 33 °C **SOL** A

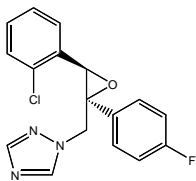
Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1345S-A	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Epoxiconazole

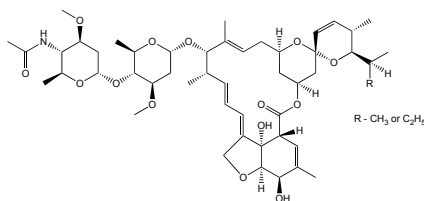
(2RS,3SR)-1-[3-(2-Chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole



CAS 133855-98-8 **MF** C₁₇H₁₃ClFNO₃ **MW** 329.76
PS S **SG** 1.38 g/cm³ **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

Eprinomectin



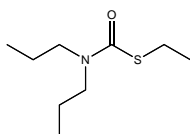
CAS 123997-26-2 **MF** C₄₈H₇₃NO₁₄ or C₅₀H₇₅NO₁₄
MW 900.10 or 914.13 **PS S** **MP** 180 °C
SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-959S-CN	1 mL

Eptam, see *EPTC*

EPTC

S-Ethyl di-N,N-propylthiocarbamate



Eptam

CAS 759-94-4 **MF** C₉H₁₉NOS **MW** 189.32 **PS L**
SG 0.95 g/cm³ **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

Eradex, see *Dursban*

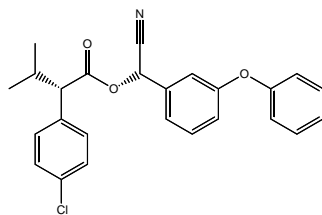
Esbioi, see *S-Bioallethrin*

Esbiothrin, see *Allethrin*

1,2-Ethanediylbiscarbamodithioic acid, zinc complex, see *Zineb*

Esfenvalerate

4-Chloro-alpha-(1-methylethyl) benzeneacetic acid, (S-(R*,R*))cyano(3-phenoxyphenyl)methyl ester



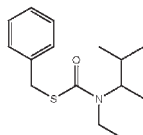
Asana

CAS 66230-04-4 **MF** C₂₅H₂₂ClNO₃ **MW** 419.9 **PS S**
SG 1.26 g/cm³ **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

Esprocarb

S-Benzyl (RS)-1,2-dimethylpropyl(ethyl)thiocarbamate

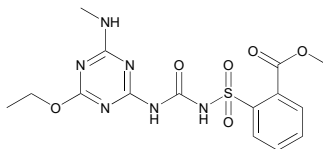


CAS 85785-20-2 **MF** C₁₅H₂₃NOS **MW** 265.42 **PS L**
SG 1.03 g/cm³ **BP** 135 °C (35mm Hg) **SOL** M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-617S	1 mL

Ethametsulfuron-methyl

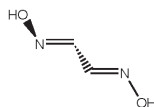
Methyl 2-[(4-ethoxy-6-methylamino-1,3,5-triazin-2-yl) carbamoylsulfamoyl]benzoate



CAS 97780-06-8 **MF** C₁₅H₁₈N₆O₆S **MW** 410.41
PS S **SG** 1.60 g/cm³ **MP** 197 °C **BP** 317 °C
SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1098S-CN	1 mL
1000 µg/mL in AcCN	P-1098S-CN-10X	1 mL

Ethanedial dioxime

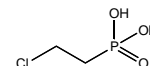


CAS 557-30-2 **MF** C₂H₄N₂O₂ **MW** 88.07 **PS S**
SG 1.14 g/cm³ **MP** 168-171 °C **FP** 188 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1070N	10 mg
100 µg/mL in MeOH	P-1070S	1 mL

Ethephon

(2-Chloroethyl)phosphonic acid

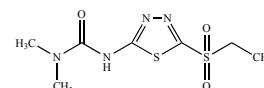


CAS 16672-87-0 **MF** C₂H₆ClO₃P **MW** 144.49 **PS S**
SG 1.41 g/cm³ **MP** 75 °C **BP** Decomp. 250 °C
SOL M,A,EA,CN,W

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

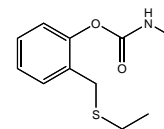


CAS 30043-49-3 **MF** C₇H₁₂N₄O₃S₂ **MW** 264.35
PS S **SG** 1.44 g/cm³ **MP** 156 °C **FP** >100 °C
SOL M,A,CN,H,IPA

Matrix	Cat. No.	Unit
NEAT	P-364N	10 mg
100 µg/mL in MeOH	P-364S	1 mL

Ethiofencarb

alpha-Ethylthio-o-tolyl methylcarbamate



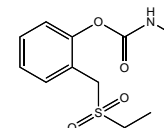
Croneton

CAS 29973-13-5 **MF** C₁₁H₁₅NO₂S **MW** 225.31
PS S **SG** 1.23 g/cm³ **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

Ethiofencarb sulfone

2-((Ethylsulfonyl)methyl)phenol methylcarbamate



Croneton sulfone

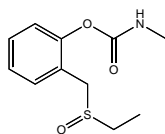
CAS 53380-23-7 **MF** C₁₁H₁₅NO₄S **MW** 257.31
PS S **SG** 1.25 g/cm³ **MP** 134-135 °C **BP** 449 °C
FP 226 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-824S-CN	1 mL



Ethiofencarb sulfoxide

2-((Ethylsulfanyl)methyl)phenol methylcarbamate

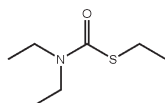


CAS 53380-22-6 MF C₁₁H₁₅NO₃S MW 241.31
SG 1.24 g/cm³ SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-825S-CN	1 mL

Ethiolat

S-Ethyl diethylcarbamothioate

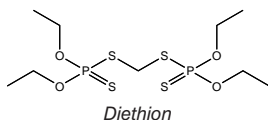


CAS 2941-55-1 MF C₈H₁₅NOS MW 161.27 PS L
SG 0.97 g/cm³ BP 142-145 °C (86mm Hg)
SOL A,CN

Matrix	Cat. No.	Unit
NEAT	P-785N	10 mg
100 µg/mL in AcCN	P-785S-CN	1 mL

Ethion

O,O,O',O'-Tetraethyl S,S'-methylene bis(phosphorodithioate)

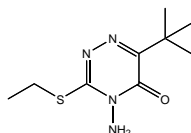


CAS 563-12-2 MF C₉H₂₂O₄P₂S₄ MW 384.48 PS L
SG 1.22 g/cm³ BP 164-165 °C (0.3mm Hg)
FP 176 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-048N	10 mg
100 µg/mL in MeOH	P-048S	1 mL
1000 µg/mL in Hexane	P-048S-H-10X	1 mL

Ethiozin

4-Amino-6-(1,1-dimethylethyl)-3-(ethylthio)-1,2,4-triazine-5(4H)-one

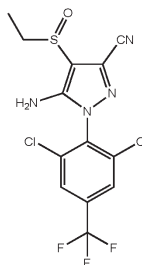


CAS 64529-56-2 MF C₉H₁₆N₄OS MW 228.35 PS S
SG 1.27 g/cm³ MP 96-98 °C SOL D,IPA,T,M

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-ethylsulfanylpyrazole-3-carbonitrile

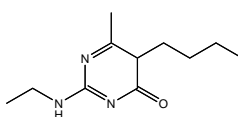


CAS 181587-01-9 MF C₁₃H₉Cl₂F₃N₄OS MW 397.20
PS S SG 1.54 g/cm³ SOL CN

Matrix	Cat. No.	Unit
Neat	P-964N	10 mg
100 µg/mL in AcCN	P-964S-CN	1 mL

Ethirimol

5-Butyl-2-ethylamino-6-methylpyrimidin-4-ol

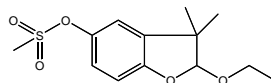


CAS 23947-60-6 MF C₁₁H₁₉N₃O MW 209.33
PS S SG 1.21 g/cm³ MP 159-160 °C BP Decomp.
SOL M,CN

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



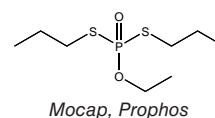
CAS 26225-79-6 MF C₁₃H₁₈O₅S MW 286.35 PS S
SG 1.3 g/cm³ MP 70-72 °C BP Decomp.
SOL M,A,D,CN,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-387N	10 mg
100 µg/mL in MeOH	P-387S	1 mL

Ethophenprox, see Etofenprox

Ethoprop

O-Ethyl S,S-dipropyl phosphorodithioate



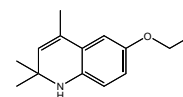
Mocap, Prophos

CAS 13194-48-4 MF C₈H₁₉O₂PS₂ MW 242.34 PS L
SG 1.09 g/cm³ 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 Hexane	P-129S-H-10X	1 mL

Ethoxyquin

1,2-Dihydro-6-ethoxy-2,2,4-trimethyl quinoline

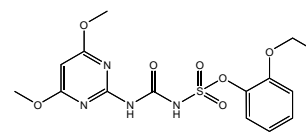


CAS 91-53-2 MF C₁₄H₁₉NO MW 217.34 PS L
SG 1.03 g/cm³ BP 296-298 °C SOL M,A,EA,T,CN

Matrix	Cat. No.	Unit
NEAT	P-388N	10 mg
100 µg/mL in AcCN	P-388S-CN	1 mL

Ethoxysulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-(2-ethoxyphenoxysulfonyl)urea

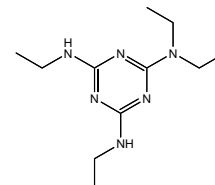


CAS 126801-58-9 MF C₁₅H₁₆N₄O₇S MW 398.39
PS S SG 1.44 g/cm³ MP 150 °C
SOL H,T,A,M,CN,D,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-847N	10 mg
100 µg/mL in AcCN	P-847S-CN	1 mL

2,4-bis(Ethylamino)-6-diethylamino-s-triazine

2,4-bis(Ethylamino)-6-diethylamino-1,3,5-triazine



CAS N/A MF C₁₁H₂₂N₆ 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

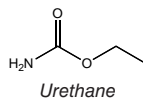


Ethylan, see *Perthane*

Ethyl azinphos, see *Azinphos-ethyl*

Ethyl carbamate

Carbamic acid, ethyl ester

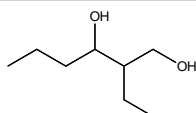


CAS 51-79-6 **MF** C₃H₇NO₂ **MW** 89.11 **PS** S
SG 0.99 g/cm³ **MP** 48-50 °C **BP** 182-184 °C
FP 92 °C **SOL** M,D

Matrix	Cat. No.	Unit
NEAT	P-419N	10 mg
100 µg/mL in MeOH	P-419S	1 mL

Ethyl 2,4-Dichlorophenoxyacetate, see *2,4-D Ethyl ester*

Ethyl hexanediol (mixed isomers)

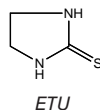


CAS 94-96-2 **MF** C₈H₁₈O₂ **MW** 146.26 **PS** L
SG 0.93 g/cm³ **BP** 244.2 °C **FP** 127 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-389N	10 mg
100 µg/mL in MeOH	P-389S	1 mL

Ethylene thiourea

2-Imidazolidinethione

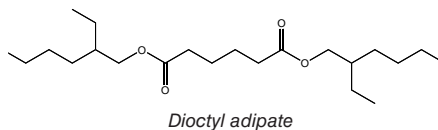


CAS 96-45-7 **MF** C₃H₆N₂S **MW** 102.16 **PS** S
SG 1.42 g/cm³ **MP** 196-200 °C **BP** 347 °C **FP** 252 °C
SOL M,H,EA

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



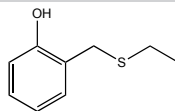
CAS 103-23-1 **MF** C₂₂H₄₂O₄ **MW** 370.57 **PS** L
SG 0.92 g/cm³ **BP** 175 °C (2mm Hg) **FP** 196 °C
SOL M,A,D,H,CN,TP,EA

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

Ethylan, see *Perthane*

Ethyl parathion, see *Parathion*

2-Ethylthiomethyl phenol

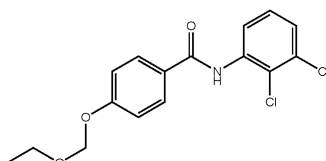


CAS N/A **MF** C₉H₁₂OS **MW** 168.26 **SOL** M

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



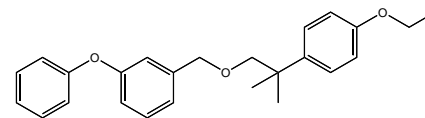
CAS 79540-50-4 **MF** C₁₆H₁₅Cl₂NO₃ **MW** 340.20
PS S **MP** 92-93 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1136S-CN	1 mL

Etoc, see *Prallethrin*

Etofenprox

2-(4-Ethoxyphenyl)-2-methylpropyl
3-phenoxybenzyl ether



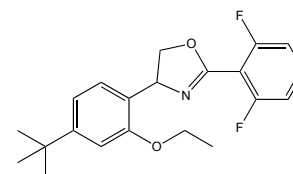
Etofenprox

CAS 80844-07-1 **MF** C₂₅H₂₈O₃ **MW** 376.49 **PS** S
SG 1.17 g/cm³ **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 AcCN	P-848S-CN	1 mL

Etoxazole

2-(2,6-Difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole



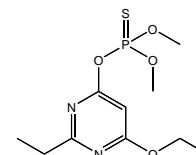
CAS 153233-91-1 **MF** C₂₁H₂₃F₂NO₂ **MW** 359.41
PS S **SG** 1.24 g/cm³ **MP** 102 °C **FP** 457 °C
SOL M,A,CN,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-991S	1 mL

Etridiazole, see *Terrazole*

Etrimfos

O-6-Ethoxy-2-ethylpyrimidin-4-yl
O,O-dimethyl phosphorothioate



CAS 38260-54-7 **MF** C₁₀H₁₇N₂O₄PS **MW** 292.29
PS L **SG** 1.20 g/cm³ **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

Euparen, see *Dichlofluanid*

ETU, see *Ethylene thiourea*

Facet, see *Quinlorac*

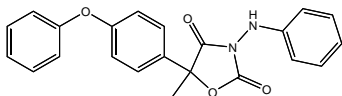
Famophos, see *Famphur*



Pesticide Standards

Famoxadon

3-Anilino-5-methyl-5-(4-phenoxyphenyl)-1,3-oxazolidine-2,4-dione

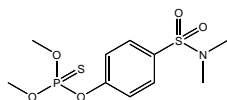


CAS 131807-57-3 MF C₂₂H₁₈N₂O MW 374.39 PS S
SG 1.31 g/cm³ MP 142 °C SOL A,T,H,EA,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-849S-CN	1 mL

Famphur

O-4-Dimethylsulfamoylphenyl
O,O-dimethyl phosphorothioate



Famphos

CAS 52-85-7 MF C₁₀H₁₆NO₃PS₂ MW 325.36 PS S
SG 1.18 g/cm³ 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

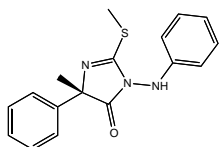
Faneron, see Bromofenoxim

Far-Go, see Triallate

Fenac, see Fenatrol

Fenamidone

(S)-1-Anilino-4-methyl-2-methylthio-4-phenyl-2-imidazolin-5-one

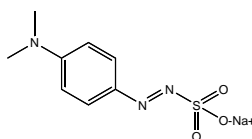


CAS 161326-34-7 MF C₁₇H₁₇N₃OS MW 311.4
PS S SG 1.29 g/cm³ MP 137 °C BP Decomp.
240 °C SOL M,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-850N	10 mg
100 µg/mL in AcCN	P-850S-CN	1 mL

Fenamiosulf

Sodium 4-dimethylaminobenzenediazosulfonate



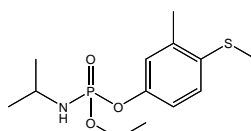
Dexon, Lesan

CAS 140-56-7 MF C₈H₁₀N₃O₃Na MW 251.26
PS S MP Decomp. 200 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-058N	10 mg
100 µg/mL in MeOH	P-058S	1 mL
1000 µg/mL in MeOH	P-058S-10X	1 mL

Fenamiphos

Ethyl 4-methylthio-m-tolyl isopropylphosphoramidate



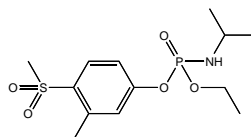
Phenamiphos

CAS 22224-92-6 MF C₁₃H₂₂NO₃PS MW 303.36
PS S SG 1.19 g/cm³ 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

Fenamiphos sulfone

Ethyl 3-methyl-4-(methylsulfonyl)phenyl isopropylphosphoramidate

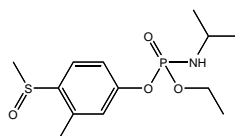


CAS 31972-44-8 MF C₁₃H₂₂NO₃PS MW 335.36
PS S SG 1.21 g/cm³ FP >80 °C SOL M,T,CN

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 isopropylphosphoramidate



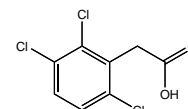
CAS 31972-43-7 MF C₁₃H₂₂NO₄PS MW 319.36
PS S SG 1.22 g/cm³ MP 65-67 °C FP >65 °C
SOL M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-622N	10 mg
100 µg/mL in MeOH	P-622S	1 mL

Fenarimol, see Bloc

Fenatrol

2,3,6-Trichlorophenylacetic acid



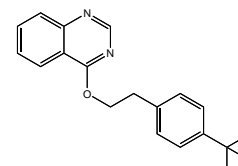
Chlorfenac, Fenac

CAS 85-34-7 MF C₈H₅Cl₃O₂ 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

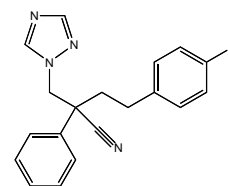


CAS 120928-09-8 MF C₂₀H₂₂N₂O MW 306.4
SG 1.16 g/cm³ MP 78-80 °C SOL M,A,H,CN,T,D,IPA

Matrix	Cat. No.	Unit
100 µg/mL in Hexane	P-787S-H	1 mL

Fenbuconazole

4-(4-Chlorophenyl)-2-phenyl-2-(1H-1,2,4-triazol-1-ylmethyl)butyronitrile



Indar

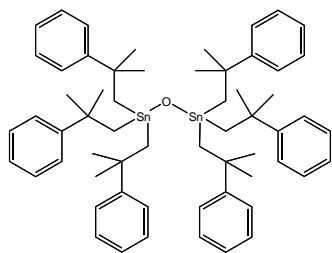
CAS 114369-43-6 MF C₁₉H₁₇ClN₄ MW 336.85
PS S SG 1.28 g/cm³ MP 124-126 °C
SOL M,A,D,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-662N	10 mg
100 µg/mL in MeOH	P-662S	1 mL



Fenbutatin oxide

hexakis(2-Methyl-2-phenylpropyl)distannoxane



Vendex

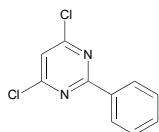
CAS 13356-08-6 **MF** C₆₀H₇₈OSn₂ **MW** 1052.68
PS S **SG** 1.31 g/cm³ **MP** 138-139 °C
BP 235-240 °C (0.05mm Hg)
SOL H,T,A,D,M,CN,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-481N	10 mg
100 µg/mL in Acetone	P-481S-A	1 mL

Fenchlorphos, see Ronnel

Fenclorim

4,6-Dichloro-2-phenylpyrimidine

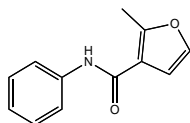


CAS 3740-92-9 **MF** C₁₀H₈Cl₂N₂ **MW** 225.07 **PS S**
SG 1.5 g/cm³ **MP** 97 °C **BP** decomp. 400 °C **SOL** M

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

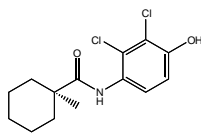
CAS 24691-80-3 **MF** C₁₂H₁₁NO₂ **MW** 201.22 **PS S**
MP 109-110 °C **SOL** A,M

Matrix	Cat. No.	Unit
NEAT	P-896N	10 mg
100 µg/mL in MeOH	P-896S	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

Fenhexamid

N-(2,3-Dichloro-4-hydroxyphenyl)-1-methylcyclohexanecarboxamide

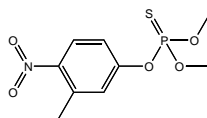


CAS 126833-17-8 **MF** C₁₄H₁₇Cl₂NO₂ **MW** 302.2
PS S **SG** 1.34 g/cm³ **MP** 153 °C
SOL A,D,H,T,M,CN,IPA

Matrix	Cat. No.	Unit
NEAT	P-783N	10 mg
100 µg/mL in MeOH	P-783S	1 mL

Fenitrothion

O,O-Dimethyl O-4-nitro-m-tolyl phosphorothioate



MEP

CAS 122-14-5 **MF** C₉H₁₂NO₅PS **MW** 277.24 **PS L**
SG 1.33 g/cm³ **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

Fenitrothion-oxon, see MEP Oxon

Fenobucarb, see Baycarb

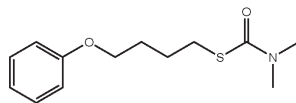
Fenoprop, see Silvex

Fenoprop 2-ethylhexyl ester, see Silvex 2-ethylhexyl ester

Fenoprop methyl ester, see Silvex methyl ester

Fenothiocarb

S-(4-Phenoxybutyl) dimethylcarbamothioate

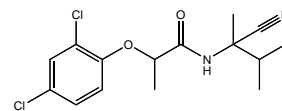


CAS 62850-32-2 **MF** C₁₃H₁₉NO₂S **MW** 253.36
PS S **SG** 1.21 g/cm³ **MP** 39-40 °C **BP** 444 °C
SOL CN,A,M,H,T,EA,D

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1021S	1 mL
50 µg/mL in MeOH	P-1021S-0.5X	1 mL

Fenoxanil

N-(1-Cyano-1,2-dimethylpropyl)-2-(2,4-dichlorophenoxy)propanamide

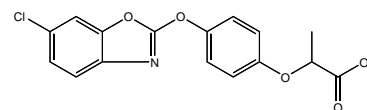


CAS 115852-48-7 **MF** C₁₅H₁₈Cl₂N₂O₂ **MW** 329.22
PS S **SG** 1.22 g/cm³ **MP** 71 °C
BP Decomp. 420 °C **FP** 420 °C **SOL** M,A,W

Matrix	Cat. No.	Unit
NEAT	P-997N	10 mg
100 µg/mL in MeOH	P-997S	1 mL

Fenoxaprop

2-[4-[(6-Chloro-2-benzoxazolyl)oxy]phenoxy] propanoic acid

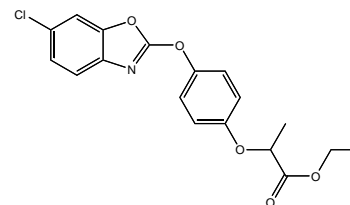


CAS 95617-09-7 **MF** C₁₈H₁₂ClNO₅ **MW** 333.72
PS S **SG** 1.42 g/cm³ **MP** 166 °C **SOL** A

Matrix	Cat. No.	Unit
NEAT	P-884N	10 mg
100 µg/mL in MeOH	P-884S ▲	1 mL

Fenoxaprop-ethyl

Ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy] propanoate

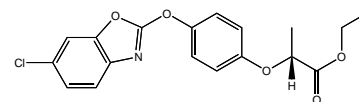


CAS 66441-23-4 **MF** C₁₈H₁₆ClNO₅ **MW** 361.8 **PS S**
SG 1.30 g/cm³ **MP** 84-85 °C
SOL M,A,T,CN,TP,EA,H

Matrix	Cat. No.	Unit
NEAT	P-365N	10 mg
100 µg/mL in MeOH	P-365S	1 mL

Fenoxaprop-p-ethyl

(R)-2-[4-[(6-chloro-1,3-benzoxazolyl)oxy]phenoxy] propanoate ethyl



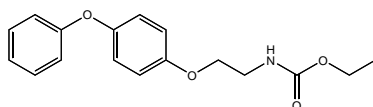
CAS 71283-80-2 **MF** C₁₈H₁₆ClNO₅ **MW** 361.78
PS S **SG** 1.31 g/cm³ **MP** 89-91 °C **BP** 478 °C
FP 242 °C **SOL** H,A,M,EA,CN,T

Matrix	Cat. No.	Unit
NEAT	P-694N	10 mg
100 µg/mL in MeOH	P-694S	1 mL



Fenoxycarb

Ethyl 2-(4-phenoxyphenoxy)ethylcarbamate



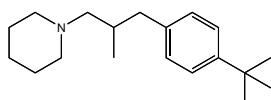
CAS 72940-01-8 **MF** C₁₉H₁₉NO₄ **MW** 301.37 **PS** S
SG 1.23 g/cm³ **MP** 53 °C **FP** 224 °C
SOL M,CN,A,T

Matrix	Cat. No.	Unit
NEAT	P-686N	10 mg
100 µg/mL in MeOH	P-686S	1 mL

Fenpropathrin, see Danitol

Fenpropidin

1-(3-(4-tert-Butylphenyl)-2-methylpropyl)piperidine

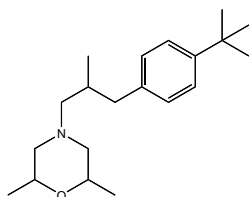


CAS 67306-00-7 **MF** C₁₉H₃₁N **MW** 273.46 **PS** L
SG 0.91 g/cm³ **BP** 100 °C (0.004mm Hg)
FP 156 °C **SOL** M,A,CN,EA

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

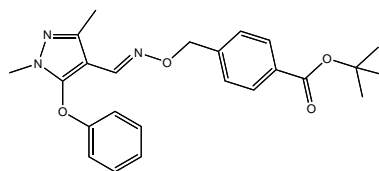


CAS 67564-91-4 **MF** C₂₀H₃₃NO **MW** 303.54 **PS** L
SG 0.93 g/cm³ **BP** Decomp. 310 °C **FP** 105 °C
SOL A,T,EA,M,CN

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-toluate

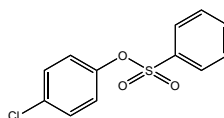


CAS 111812-58-9 **MF** C₂₄H₂₇N₃O₄ **MW** 421.49
PS S **SG** 1.25 g/cm³ **MP** 102 °C **FP** 85 °C
SOL M,A,CN,EA,H,T

Matrix	Cat. No.	Unit
NEAT	P-724N	10 mg
100 µg/mL in MeOH	P-724S	1 mL

Fenson

4-Chlorophenyl benzenesulfonate



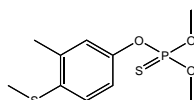
CAS 80-38-6 **MF** C₁₂H₉ClO₃S **MW** 268.72 **PS** S
SG 1.38 g/cm³ **MP** 59-61 °C **BP** Decomp.
FP >100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-551N	10 mg
100 µg/mL in MeOH	P-551S	1 mL

Fensulfothion, see Dasanit

Fenthion

O,O-Dimethyl O-4-methylthio-m-tolyl phosphorothioate



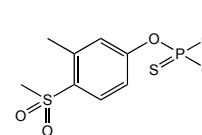
Baytex, Entex, Mercaptophos

CAS 55-38-9 **MF** C₁₀H₁₅O₃PS₂ **MW** 278.33 **PS** L
SG 1.25 g/cm³ **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 Hexane	P-148S-H-10X	1 mL

Fenthion sulfone

O,O-Dimethyl O-(4-(methylsulfonyl)-m-tolyl) phosphorothioate

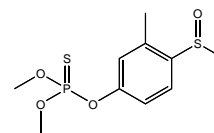


CAS 3761-42-0 **MF** C₁₀H₁₅O₅PS₂ **MW** 310.33 **PS** S
SG 1.35 g/cm³ **MP** 78 °C **BP** >348 °C
SOL M,T,TP,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-953S-CN	1 mL

Fenthion sulfoxide

O,O-Dimethyl O-((4-methylthio)-m-tolyl) phosphorothioate

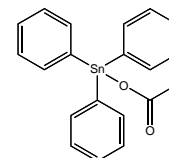


CAS 3761-41-9 **MF** C₁₀H₁₅O₄PS₂ **MW** 294.33
PS S **SG** 1.32 g/cm³ **MP** 55-59 °C
SOL M,D,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-1052N	10 mg
100 µg/mL in CH ₂ Cl ₂	P-1052S-D	1 mL

Fentin acetate

Acetoxytriphenylstannane



Batasan

CAS 900-95-8 **MF** C₂₀H₁₈O₂Sn **MW** 409.07 **PS** S
SG 1.55 g/cm³ **MP** 121-123 °C **FP** 185 °C
SOL D,EA,H,M,T

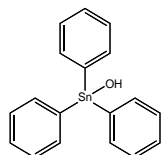
Matrix	Cat. No.	Unit
NEAT	P-680N	10 mg
100 µg/mL in MeOH	P-680S	1 mL

Fentin chloride, see Triphenyltin chloride



Fentin hydroxide

Triphenylstannylum hydroxide

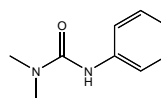


CAS 76-87-9 **MF** C₁₈H₁₀OSn **MW** 367.03 **PS** S
SG 1.54 g/cm³ **MP** 118-120 °C **FP** 174 °C
SOL CN,A,IPA

Matrix	Cat. No.	Unit
NEAT	P-1042N	10 mg
100 µg/mL in AcCN	P-1042S-CN	1 mL

Fenuron

1,1-Dimethyl-3-phenylurea



Dybar

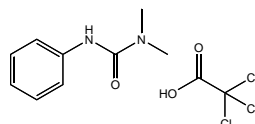
CAS 101-42-8 **MF** C₉H₁₂N₂O **MW** 164.2 **PS** S
SG 1.10 g/cm³ **MP** 133-134 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-004N	10 mg
100 µg/mL in MeOH	P-004S	1 mL

Fenuron trichloroacetate, see Fenuron-TCA

Fenuron TCA

1,1-Dimethyl-3-phenyluronium trichloroacetate



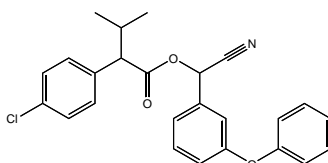
Fenuron trichloroacetate

CAS 4482-55-7 **MF** C₉H₁₂N₂O•C₂HCl₃O₂
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

Fenvalerate

(RS)-alpha-Cyano-3-phenoxybenzyl (RS)-
2-(4-chlorophenyl)-3-methylbutyrate



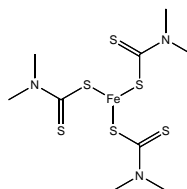
Belmark, Pydrin

CAS 51630-58-1 **MF** C₂₅H₂₂ClNO₃ **MW** 419.9 **PS** L
SG 1.18 g/cm³ **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

Ferbam

Iron (III) dimethyldithiocarbamate



CAS 14484-64-1 **MF** C₉H₁₈N₆S₆Fe **MW** 416.5
PS S **SG** 0.60 g/cm³ **MP** 180 °C **SOL** M

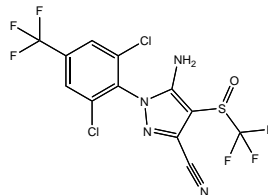
Matrix	Cat. No.	Unit
NEAT	P-110N	10 mg
100 µg/mL in MeOH	P-110S	1 mL

Ficam, see Bendiocarb

Fintryne, see Irgarol

Fipronil

(±)-5-Amino-1-(2,6-dichloro-α,α,
α-trifluoro-p-tolyl)-4-trifluoromethylsulfanyl
pyrazole-3-carbonitrile

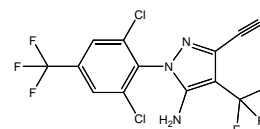


CAS 120068-37-3 **MF** C₁₂H₄Cl₂F₆N₄OS **MW** 437.16
PS S **SG** 1.71 g/cm³ **MP** 196-202 °C **BP** Decomp.
230 °C **SOL** M,A,D,H,T,CN,TP,EA

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

Fipronil desulfinyl

1H-Pyrazole-3-carbonitrile, 5-amino-1-[2,6-di-
chloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethyl)-



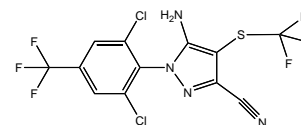
Desulfinyl fipronil

CAS 205650-65-3 **MF** C₁₂H₄Cl₂F₆N₄ **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

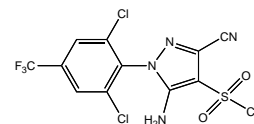


CAS 120067-83-6 **MF** C₁₂H₄Cl₂F₆N₄S **MW** 421.15
PS S **MP** 169-171 °C **SOL** A,D,CN

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** C₁₂H₄Cl₂F₆N₄O₂S **PS** S
MW 453.15 **MP** 214-216 °C **SOL** A,D,CN

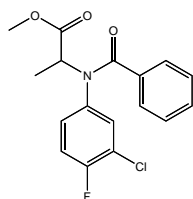
Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-780S-A	1 mL

Flamprop-isopropyl, see Barnon



Flamprop-methyl

Methyl N-benzoyl-N-(3-chloro-4-fluorophenyl)-DL-alaninate



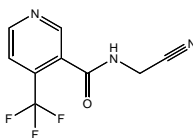
Mataven

CAS 52756-25-9 **MF** C₁₇H₁₅ClFNO₃ **MW** 335.76
PS S SG 1.31 g/cm³ **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

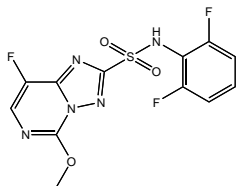


CAS 158062-67-0 **MF** C₉H₆F₃N₃O **MW** 229.16 **PS S SG** 1.54 g/cm³ **MP** 157-158 °C **BP** Decomp. 313 °C
SOL A,EA,D,T,M,CN,W

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-sulfonanilide

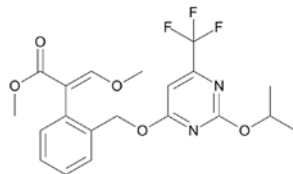


CAS 145701-23-1 **MF** C₁₂H₆F₃N₃O₃S **MW** 359.29
PS S SG 1.53 g/cm³ **MP** 194 °C **SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
10 µg/mL in AcCN	P-827S-CN-0.1X	1 mL

Flucrypyrim

Methyl (E)-2-[a-[2-isopropoxy-6-(trifluoromethyl)pyrimidin-4-yloxy]-o-tolyl]-3-methoxyacrylate

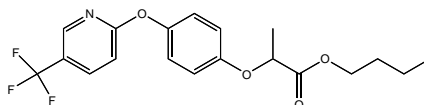


CAS 229977-93-9 **MF** C₂₀H₂₁F₃N₂O₅ **MW** 426.39
PS S SG 1.26 g/cm³ **MP** 108 °C **BP** 530 °C
FP 274 °C **SOL** A,M,CN,D,EA,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1056S	1 mL

Fluazifop-butyl

Butyl 2-(4-((5-(trifluoromethyl)-2-pyridyl)oxy)phenoxy)propionate



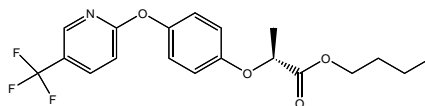
Fusilade

CAS 69806-50-4 **MF** C₁₉H₂₀F₃NO₄ **MW** 383.36 **PS L SG** 1.21 g/cm³ **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

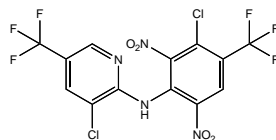


CAS 79241-46-6 **MF** C₁₉H₂₀F₃NO₄ **MW** 383.36
PS L SG 1.22 g/cm³ **BP** 164 °C (0.02mm Hg)
FP >50 °C **SOL** A,M,T,CN

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

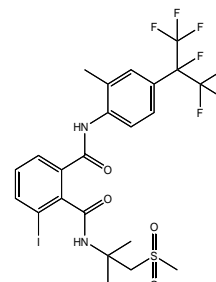


CAS 79622-59-6 **MF** C₁₃H₄Cl₂F₆N₄O₄ **MW** 465.09
PS S SG 1.81 g/cm³ **MP** 119 °C
SOL H,M,T,A,CN,D,EA

Matrix	Cat. No.	Unit
NEAT	P-586N	10 mg
100 µg/mL in MeOH	P-586S	1 mL

Flubendiamide

3-Iodo-N'-(2-mesy-1,1-dimethylethyl)-N-[4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]-o-tolyl]phthalamide



Flubendiamide

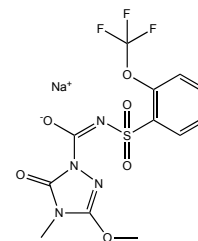
CAS 272451-65-7 **MF** C₂₃H₂₂F₇IN₂O₅S **MW** 682.39
PS S SG 1.66 g/cm³ **MP** 217-218 °C
SOL A,CN,M,EA

Matrix	Cat. No.	Unit
NEAT	P-1025N	10 mg
100 µg/mL in AcCN	P-1025S-CN	1 mL

Flubendiamide, see Flubendiamide

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

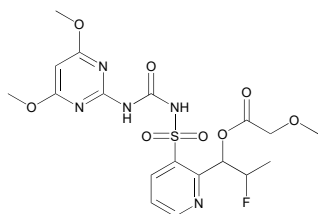
CAS 181274-17-9 **MF** C₁₂H₁₀F₃N₄NaO₅S
MW 418.28 **MP** 200 °C **PS S SOL** W

Matrix	Cat. No.	Unit
NEAT	P-1124N	10 mg
100 µg/mL in AcCN	P-1124S-CN	1 mL



Flucetosulfuron

1-[3-[(4,6-Dimethoxypyrimidin-2-ylcarbamoyl)sulfamoyl]-2-pyridyl]-2-fluoropropyl methoxyacetate

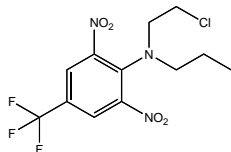


CAS 412928-75-7 **MF** C₁₈H₂₂FN₅O₈S **MW** 487.46
PS S **MP** 176 °C decomp. **SOL** A,N,M,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1218S-CN	1 mL
1000 µg/mL in AcCN	P-1218S-CN-10X	1 mL

Fluchloralin

N-(2-Chloroethyl)-2,6-dinitro-N-propyl-4-(trifluoromethyl)aniline

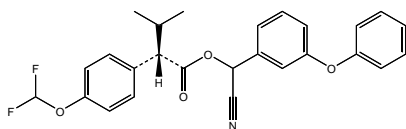


CAS 33245-39-5 **MF** C₁₂H₁₃ClF₃N₃O₄ **MW** 355.7
PS S **SG** 1.45 g/cm³ **MP** 42-43 °C **BP** 392 °C
FP 30 °C **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-270N	10 mg
100 µg/mL in MeOH	P-270S	1 mL

Flucythrinate

(RS)-a-Cyano-3-phenoxybenzyl (S)-2-(4-difluoromethoxyphenyl)-3-methylbutyrate

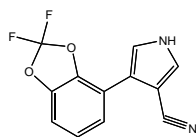


CAS 70124-77-5 **MF** C₂₀H₂₃F₂NO₄ **MW** 451.46
PS L **SG** 1.19 g/cm³ **BP** 108 °C (0.35mm Hg)
FP 45 °C **SOL** M,A,CN,EA,D

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-378S	1 mL

Fludioxonil

4-(2,2-Difluoro-1,3-benzodioxol-4-yl)pyrrole-3-carbonitrile

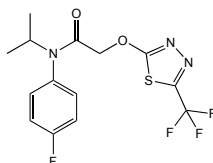


CAS 131341-86-1 **MF** C₁₂H₈F₂N₂O₂ **MW** 248.19
PS S **SG** 1.55 g/cm³ **MP** 199 °C
BP Decomp. 306 °C **SOL** M,A,D,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-698N	10 mg
100 µg/mL in MeOH	P-698S	1 mL

Flufenacet

N-(4-Fluorophenyl)-N-(1-methylethyl)-2-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]acetamide

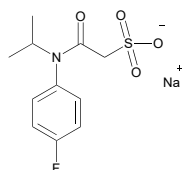


CAS 142459-58-3 **MF** C₁₄H₁₃F₄N₃O₂S **MW** 363.33
PS S **SG** 1.45 g/cm³ **MP** 78 °C
BP Decomp. 150 °C **SOL** A,T,H,CN,IPA,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-902S-CN	1 mL

Flufenacet ESA sodium salt

Sodium 2-[(4-fluorophenyl)(1-methylethyl)amino]-2-oxo-ethanesulfonate

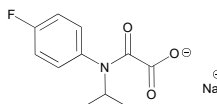


CAS 947601-87-8 **MF** C₁₁H₁₃FNO₃Na **MW** 297
PS S **MP** 151-152 °C **SOL** A,CN,M

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

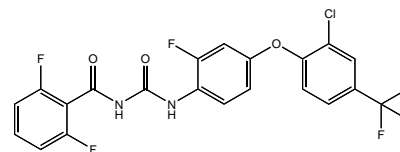


CAS N/A **MF** C₁₁H₁₂NNaO₃ **MW** 247 **PS S**
MP 230-232 °C **SOL** M

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

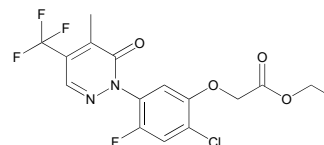


CAS 101463-69-8 **MF** C₂₁H₁₁ClF₆N₂O₃ **MW** 488.77
PS S **SG** 1.57 g/cm³ **MP** 169-172 °C
SOL A,T,D,M,CN

Matrix	Cat. No.	Unit
NEAT	P-687N	10 mg
100 µg/mL in MeOH	P-687S	1 mL

Flufenpyr-ethyl

Ethyl 2-chloro-5-[1,6-dihydro-5-methyl-6-oxo-4-(trifluoromethyl)pyridazin-1-yl]-4-fluorophenoxyacetate

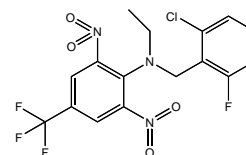


CAS 188489-07-8 **MF** C₁₆H₁₃ClF₄N₂O₄ **MW** 408.73
PS S **MP** 100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1160S-CN	1 mL
1000 µg/mL in AcCN	P-1160S-CN-10X	1 mL

Flumetralin

N-[(2-Chloro-6-fluorophenyl)methyl]-N-ethyl-2,6-dinitro-4-(trifluoromethyl)aniline



CAS 62924-70-3 **MF** C₁₆H₁₂ClF₄N₃O₄ **MW** 421.73
PS S **SG** 1.54 g/cm³ **MP** 102 °C **FP** >100 °C
SOL M,A,D,H,CN,EA,T

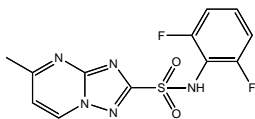
Matrix	Cat. No.	Unit
NEAT	P-491N	10 mg
100 µg/mL in MeOH	P-491S	1 mL



Pesticide Standards

Flumetsulam

2',6'-Difluoro-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide

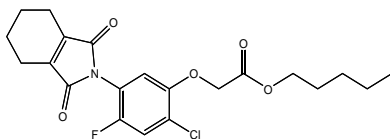


CAS 98967-40-9 **MF** C₁₂H₉F₂N₅O₂S **MW** 325.32
PS S SG 1.77 g/cm³ **MP** 251-253 °C **FP** 93 °C
SOL M,CN,A

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

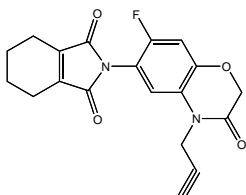


CAS 87546-18-7 **MF** C₂₁H₂₃ClFNO₅ **MW** 423.86
PS S SG 1.33 g/cm³ **MP** 89 °C **FP** >88 °C
SOL M,H,A,CN

Matrix	Cat. No.	Unit
NEAT	P-993N	10 mg
100 µg/mL in MeOH	P-993S	1 mL

Flumioxazin

7-Fluoro-6-(3,4,5,6-tetrahydrophthalimido)-4-(2-propynyl)-1,4-benzoxazin-3(2H)-one



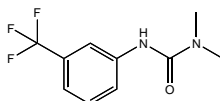
Flumyzin, Pledge, Vulcan

CAS 103361-09-7 **MF** C₁₉H₁₅FN₂O₄ **MW** 354.33
PS S SG 1.51 g/cm³ **MP** 203 °C
BP Decomp. 273 °C **SOL** A,EA,H,M,D,CN

Matrix	Cat. No.	Unit
100 µg/mL in CH ₂ Cl ₂	P-992S-D	1 mL

Fluometuron

1,1-Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl) urea



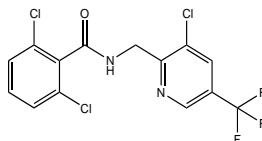
Cotoran, Cottonex

CAS 2164-17-2 **MF** C₁₀H₁₁F₃N₂O **MW** 232.2 **PS S**
SG 1.39 g/cm³ **MP** 163 °C **SOL** M,A,CN,D,W

Matrix	Cat. No.	Unit
NEAT	P-014N	10 mg
100 µg/mL in MeOH	P-014S	1 mL

Fluopicolide

2,6-Dichloro-N-[3-chloro-5-(trifluoromethyl)-2-pyridylmethyl]benzamide

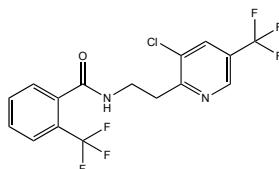


CAS 239110-15-7 **MF** C₁₄H₈Cl₃F₃N₂O **MW** 383.58
PS S SG 1.65 g/cm³ **MP** 150 °C
BP Decomp. 320 °C **SOL** H,E,T,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-1024N	10 mg
100 µg/mL in Acetone	P-1024S-A	1 mL

Fluopyram

N-[2-[3-Chloro-5-(trifluoromethyl)-2-pyridyl]ethyl]-a,a,a-trifluoro-ortho-toluamide

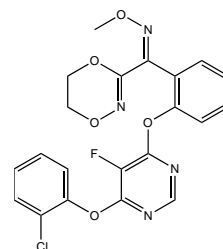


CAS 658066-35-4 **MF** C₁₆H₁₁ClF₆N₂O **MW** 396.71
PS S MP 117-118 °C **BP** 318 °C **SOL** M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1094S	1 mL

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** C₂₁H₁₆ClFN₄O₅ **MW** 458.83
PS S SG 1.42 g/cm³ **MP** 105 °C
SOL EA,M,CN,A,IPA,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-963S-CN	1 mL

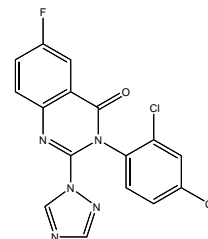
Flumyzin, see Flumioxazin

Flurochloridone, see Flurochloridone

Fluorodifen, see Fluorodifen

Fluquinconazole

3-(2,4-Dichlorophenyl)-6-fluoro-2-(1H-1,2,4-triazol-1-yl)quinazolin-4(3H)-one

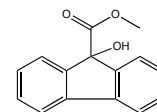


CAS 136426-54-5 **MF** C₁₆H₈Cl₂FN₃O **MW** 376.17
PS S SG 1.58 g/cm³ **MP** 192 °C
BP Decomp. 320 °C **SOL** M,A,H,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-878N	10 mg
100 µg/mL in AcCN	P-878S-CN	1 mL

Flurenol methyl ester

Methyl 9-hydroxy-9H-fluorene-9-carboxylate



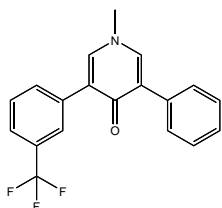
CAS 1216-44-0 **MF** C₁₅H₁₂O₃ **MW** 240.25 **PS S**
SG 1.32 g/cm³ **MP** 161-163 °C **FP** >100 °C
SOL M

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



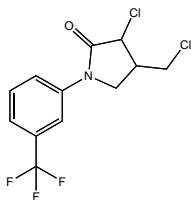
Sonar

CAS 59756-60-4 MF C₁₉H₁₄F₃NO MW 329.32
PS S SG 1.09 g/cm³ MP 232 °C
BP Decomp. 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

Flurochloridon

3-Chloro-4-(chloromethyl)-1-[3-(trifluoromethyl)phenyl]-2-pyrrolidinone



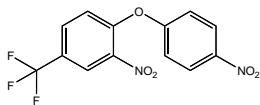
Flurochloridone

CAS 61213-25-0 MF C₁₂H₁₀Cl₂F₃NO MW 312.13
PS S SG 1.52 g/cm³ 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

Flurodifen

2,4'-Dinitro-4-(trifluoromethyl)diphenyl ether



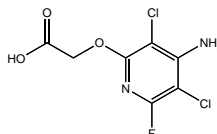
Flurodifen

CAS 15457-05-3 MF C₁₃H₇F₃N₂O₅ MW 328.2
PS S SG 1.51 g/cm³ 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

Fluroxypyr

((4-Amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid



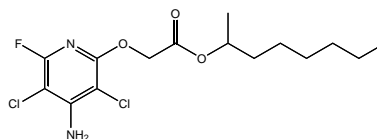
CAS 69377-81-7 MF C₇H₆Cl₂FN₂O₃ MW 255.03
PS S SG 1.09 g/cm³ MP 232 °C
BP Decomp. 360 °C SOL H,A,M,D,CN,EA,IPA,W

Matrix	Cat. No.	Unit
NEAT	P-521N	10 mg
100 µg/mL in MeOH	P-521S ▲	1 mL

Fluroxypyr-methyl, see *Fluroxypyr-1-methylheptyl ester*

Fluroxypyr-1-methylheptyl ester

1-Methylheptyl [(4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy]acetate



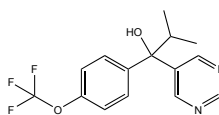
Fluroxypyr-methyl

CAS 81406-37-3 MF C₁₅H₂₁Cl₂FN₂O₃ MW 367.24
PS S SG 1.32 g/cm³ 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

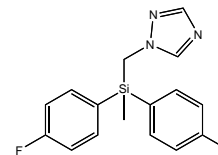


CAS 56425-91-3 MF C₁₅H₁₅F₃N₂O₂ MW 312.29
PS S SG 1.341 g/cm³ MP 93-97 °C
BP Decomp. 200 °C SOL A,CN,T,EA,M,H,D

Matrix	Cat. No.	Unit
NEAT	P-1155N	10 mg

Flusilazole

1-((bis(4-Fluorophenyl)methylsilyl)methyl)-1H-1,2,4-triazole

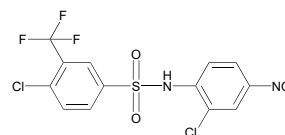


CAS 85509-19-9 MF C₁₆H₁₅F₂N₃Si MW 315.43
PS S SG 1.17 g/cm³ MP 53 °C BP Decomp. 310 °C
FP 191 °C SOL M,A,H,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-578N	10 mg
100 µg/mL in MeOH	P-578S	1 mL

Flusulfamide

4-Chloro-N-(2-chloro-4-nitrophenyl)-3-(trifluoromethyl)benzenesulfonamide

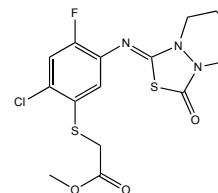


CAS 106917-52-6 MF C₁₃H₇Cl₂F₃N₂O₂S
MW 415.17 PS S SG 1.75 g/cm³ MP 170-171 °C
BP decomp. 250 °C SOL CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1088S-CN	1 mL
1000 µg/mL in AcCN	P-1088S-CN-10X	1 mL

Fluthiacet-methyl

Methyl[[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H,3H-[1,3,4]thiazolo[3,4-a]pyridazin-1-ylidene)amino]phenyl]thio]acetate



CAS 117337-19-6 MF C₁₅H₁₅ClFN₃O₃S₂ MW 403.88
PS S SG 0.43 g/cm³ MP 106 °C
BP Decomp. 249 °C SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1095S-CN	1 mL

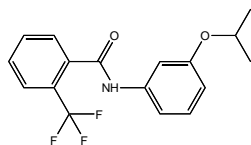
▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Pesticide Standards

Flutolanil

a,a,a,-Trifluoro-3'-isopropoxy-o-toluanilide



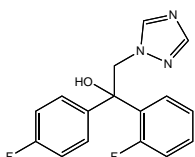
Moncut™

CAS 66332-96-5 MF C₁₇H₁₆F₃NO₂ MW 323.31
PS S SG 1.32 g/cm³ 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

Flutriafol

(RS)-2,4'-Difluoro-a-(1H-1,2,4-triazol-1-ylmethyl) benzhydryl alcohol

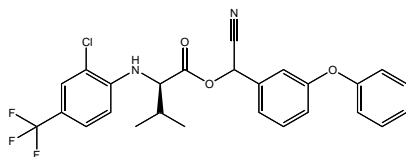


CAS 76674-21-0 MF C₁₆H₁₃F₂N₃O MW 301.29 PS S
SG 1.41 g/cm³ MP 130 °C SOL M,A,CN,H,D,W

Matrix	Cat. No.	Unit
NEAT	P-699N	10 mg
100 µg/mL in MeOH	P-699S	1 mL

tau-Fluvalinate

(RS)-alpha-Cyano-3-phenoxybenzyl N-(2-chloro-alpha,alpha,alpha-trifluoro-p-tolyl)-D-valinate



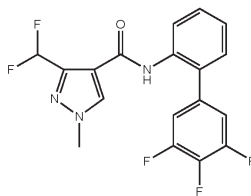
Mavrik

CAS 102851-06-9 MF C₂₆H₂₂ClF₃N₂O₃ MW 502.91
PS L SG 1.27 g/cm³ 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 MeOH	P-356S	1 mL
1000 µg/mL in MeOH	P-356S-10X	1 mL
100 µg/mL in AcCN	P-356S-CN	1 mL

Fluxapyroxad

3-(Difluoromethyl)-1-methyl-N-(3',4',5'-trifluoro-2-bi-phenyl)-1H-pyrazole-4-carboxamide



CAS 907204-31-3 MF C₁₈H₁₂F₅N₃O MW 381.30
PS S MP 157 °C SOL A,EA,M,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1150S-CN	1 mL

Focus, see Cycloxydime

Folbex, see Chlorobenzilate

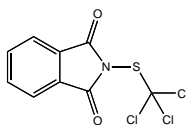
Folex, see Merphos

Folicur, see Tebuconazole

Folosan, see Pentachloronitrobenzene

Folpet

N-(Trichloromethylthio)phthalimide

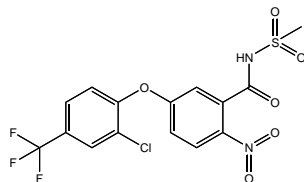


CAS 133-07-3 MF C₉H₄Cl₃NO₂S MW 296.56
PS S SG 1.72 g/cm³ MP 178 °C
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-258N	10 mg
100 µg/mL in MeOH	P-258S	1 mL

Fomesafen

5-[2-Chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide



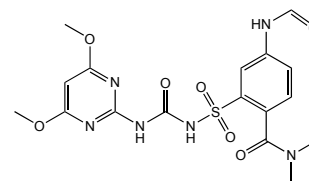
CAS 72178-02-0 MF C₁₅H₁₀ClF₃N₂O₆S MW 438.76
PS S SG 1.28 g/cm³ MP 220-221 °C
SOL A,M,D,CN

Matrix	Cat. No.	Unit
NEAT	P-907N	10 mg
100 µg/mL in MeOH	P-907S	1 mL

Fonofos, see Dyfonate

Foramsulfuron

2-[3-(4,6-Dimethoxy-2-pyrimidinyl)ureidosulfonyl]-4-(formamido)-N,N-dimethylbenzamide

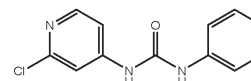


CAS 173159-57-4 MF C₁₇H₂₀N₆O₇S MW 452.44
PS S SG 1.44 g/cm³ MP 195 °C SOL A,EA,M,CN

Matrix	Cat. No.	Unit
NEAT	P-852N	10 mg
100 µg/mL in AcCN	P-852S-CN	1 mL

Forchlorfenuron

N-(2-Chloro-4-pyridyl)-N'-phenylurea

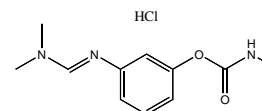


CAS 68157-60-8 MF C₁₂H₁₀ClN₃O MW 247.68
PS S SG 1.38 g/cm³ MP 165-170 °C SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-753N	10 mg
100 µg/mL in MeOH	P-753S	1 mL

Formetanate HCl

3-Dimethylaminomethyleneaminophenyl methylcarbamate hydrochloride

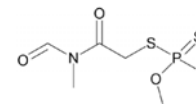


CAS 23422-53-9 MF C₁₁H₁₅N₃O₂•HCl MW 257.72
PS S MP 200-202 °C SOL H,M,D,T,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-431N	10 mg
100 µg/mL in MeOH	P-431S	1 mL

Formothion

S-[2-(Formylmethylamino)-2-oxoethyl] O,O-dimethyl dithiophosphate



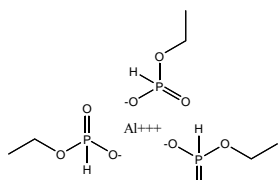
CAS 2540-82-1 MF C₆H₁₂NO₄PS₂ MW 257.27
PS L SG 1.36 g/cm³ SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-149N	10 mg
100 µg/mL in AcCN	P-149S-CN	1 mL



Fosetyl aluminum

Aluminum tris(O-ethylphosphonate)

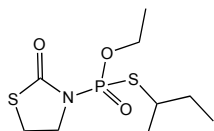


CAS 39148-24-8 **MF** C₆H₁₈AlO₉P₃ **MW** 354.13 **PS** S
SG 1.53 g/cm³ **MP** 215 °C **BP** Decomp. 277 °C
SOL A,M,W

Matrix	Cat. No.	Unit
NEAT	P-532N	10 mg
100 µg/mL in MeOH:Water (90:10)	P-532S	1 mL

Fosthiazate

(RS)-S-sec-Butyl O-ethyl 2-oxo-1,3-thiazolidin-3-ylphosphothioate

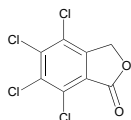


CAS 98886-44-3 **MF** C₉H₁₈NO₃PS₂ **MW** 283.35
PS L **SG** 1.23 g/cm³ **BP** 198 °C (0.5mm Hg)
SOL H,A,M,EA,CN,W

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-828S-CN	1 mL

Fthalide

4,5,6,7-Tetrachlorophthalide

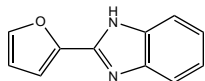


CAS 27355-22-2 **MF** C₈H₄Cl₄O₂ **MW** 271.9 **PS** S
SG 1.77 g/cm³ **MP** 210 °C **SOL** A,CN,M

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

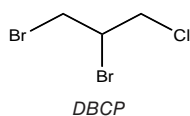


CAS 3878-19-1 **MF** C₁₁H₈N₂O **MW** 184.19 **PS** S
MP Decomp. **SOL** T,A,EA,D,M,CN,IPA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-789S-CN	1 mL

Fumazone

3-Chloro-1,2-Dibromopropane



CAS 96-12-8 **MF** C₃H₄Br₂Cl **MW** 236.33 **PS** L
SG 2.05 g/cm³ **BP** 195 °C **FP** 90 °C
SOL M,A,D,H,T,CN,TP

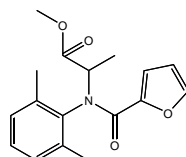
Matrix	Cat. No.	Unit
NEAT	P-341N	10 mg
100 µg/mL in MeOH	P-341S	1 mL

Fundazol, see *Benomyl*

Furadan, see *Carbofuran*

Furalaxyl

Methyl N-(2-furoyl)-N-(2,6-xylyl)-DL-alaninate

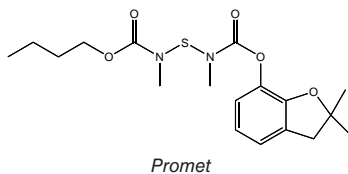


CAS 57646-30-7 **MF** C₁₄H₁₉NO₄ **MW** 301.34 **PS** S
SG 1.22 g/cm³ **MP** 70 °C **SOL** D,A,M,H,CN

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

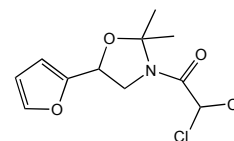


CAS 65907-30-4 **MF** C₁₈H₂₆N₂O₅S **MW** 382.48
PS L **SG** 1.15 g/cm³ **BP** >250 °C
SOL M,A,T,H,CN,IPA

Matrix	Cat. No.	Unit
NEAT	P-569N	10 mg
100 µg/mL in MeOH	P-569S	1 mL

Furilazole

2,2-Dichloro-1-[5-(2-furyl)-2,2-dimethyl-1,3-oxazolidin-3-yl]ethanone



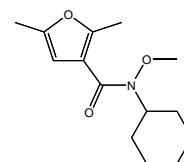
Oxazolidine

CAS 121776-33-8 **MF** C₁₁H₁₃Cl₂NO₃ **MW** 278.13
PS S **MP** 95-96 °C **FP** 135 °C **SOL** M,CN,EA,W

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-810S-CN	1 mL

Furmecyclox

N-Cyclohexyl-N-methoxy-2,5-dimethyl-3-furamide



CAS 60568-05-0 **MF** C₁₄H₂₁NO₃ **MW** 251.32 **PS** S
SG 1.10 g/cm³ **MP** 33 °C **FP** >100 °C **SOL** M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-607S	1 mL

Fusilade, see *Fluazifop-butyl*

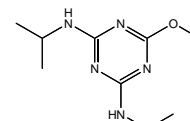
Gardoprim, see *Terbuthylazine*

Garlon, see *Triclopyr*

Garrathion, see *Carbophenothion*

Gesatamine

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



Atraton, Atrazine-methoxy

CAS 1610-17-9 **MF** C₉H₁₇N₅O **MW** 211.26 **PS** S
MP 95-96 °C **SOL** M,A,D,H,T,TP,EA

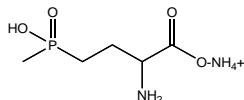
Matrix	Cat. No.	Unit
NEAT	P-189N	10 mg
100 µg/mL in MeOH	P-189S	1 mL

Gesatop, see *Simazine*



Glufosinate, ammonium salt

2-Amino-4-(hydroxymethylphosphinyl) butanoic acid monoammonium salt



Liberty

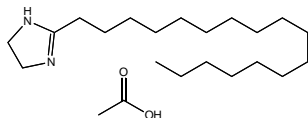
CAS 77182-82-2 MF C₅H₁₅N₂O₄P MW 198.2 PS S
SG 1.40 g/cm³ MP 215 °C SOL A,EA,M,T,H,W

Matrix	Cat. No.	Unit
NEAT	P-475N	10 mg
100 µg/mL in MeOH	P-475S	1 mL

Glyphophene, see Iprodione

Glyodan

2-Heptadecyl-2-imidazoline acetate

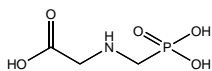


CAS 556-22-9 MF C₂₂H₄₄N₂O₂ MW 368.22
PS S SG 1.04 g/cm³ MP 65 °C SOL M

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 C₃H₈NO₅P MW 169.07 PS S
SG 1.68 g/cm³ 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 ₂ O	P-015S-W	1 mL
1000 µg/mL in H ₂ O	P-015S-W-10X	1 mL
5000 µg/mL in H ₂ O	P-015S-W-50X	1 mL

Gokilaht, see Cyphenothrin

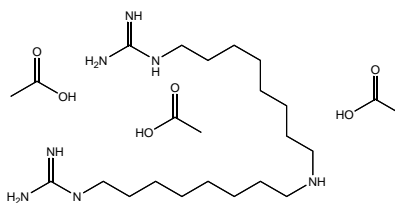
Gratil, see Amidosulfuron

GTA, see Guazatine acetate

Guardian, see Ethaboxam

Guazatine acetate

Mixture of acetates of guanidated di and triamines and oligomeric amines



GTA

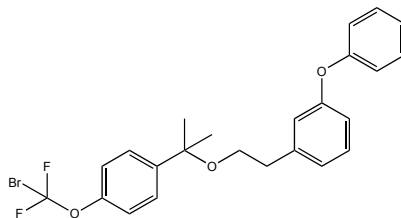
CAS 115044-19-4 MF C₂₄H₅₃N₇O₆ MW 535.72
PS S SG 1.09 g/cm³ MP 60 °C SOL M,W

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-612S	1 mL

Guthion, see Azinphos-methyl

Halfenprox

2-(4-Bromodifluoromethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether

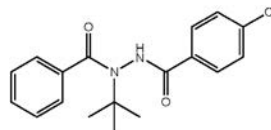


CAS 111872-58-3 MF C₂₄H₂₃BrF₂O₃ MW 477.34
PS L SG 1.32 g/cm³ BP Decomp. 291 °C
FP 272 °C SOL M,A,CN,H,T,D,EA

Matrix	Cat. No.	Unit
10 µg/mL in MeOH	P-1050S-0.1X	1 mL

Halofenozide

2-Benzoyl-2-(1,1-dimethylethyl)hydrazide 4-chlorobenzoic acid

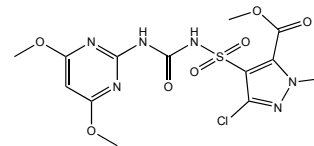


CAS 112226-61-6 MF C₁₈H₁₉ClN₂O₂ MW 330.81
PS S SG 0.46 g/cm³ MP 200 °C SOL D,CN,IPA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-804S-CN	1 mL

Halosulfuron methyl

Methyl 3-chloro-5-(4,6-dimethoxypyrimidin-2-ylcarbonyl)amoyl-1-methylpyrazole-4-carboxylate

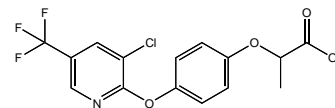


CAS 100784-20-1 MF C₁₃H₁₅ClN₆O₇S MW 434.81
PS S SG 1.62 g/cm³ MP 175-177 °C
BP Decomp. 182 °C SOL M,A,CN,IPA,D,EA,T

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1089S-CN	1 mL

Haloxypop

2-[4-[[3-Chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid

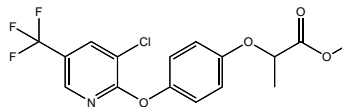


CAS 69806-34-4 MF C₁₃H₁₁ClF₃NO₂ MW 361.7
PS S SG 1.64 g/cm³ MP 107-108 °C
SOL A,EA,H,M,CN,IPA,D,T

Matrix	Cat. No.	Unit
NEAT	P-496N	10 mg
100 µg/mL in MeOH	P-496S	1 mL
100 µg/mL in AcCN	P-496S-CN	1 mL

Haloxypop-methyl

Methyl 2-[4-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate



CAS 69806-40-2 MF C₁₆H₁₃ClF₃NO₄ MW 357.73
PS L SG 1.09 g/cm³ 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

Harmony, see Thifensulfuron methyl

Harvade, see Dimethipin

a-HCH, see a-BHC

b-HCH, see b-BHC

d-HCH, see d-BHC

g-HCH, see Lindane

HCH, tech, see BHC Tech

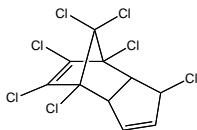
HEOD, see Dieldrin

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Heptachlor

1,4,5,6,7,8,8-Heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene



CAS 76-44-8 **MF** C₁₀H₅Cl₇ **MW** 373.32
SG 1.58 g/cm³ **MP** 95 °C **BP** 135-145 °C
SOL M,A,D,H,T,CN,TP,EA

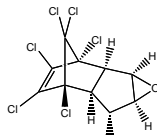
Matrix	Cat. No.	Unit
NEAT	P-053N	10 mg
100 µg/mL in MeOH	P-053S	1 mL
1000 µg/mL in MeOH	P-053S-10X	1 mL

Heptachlor endo-epoxide,
see *Heptachlor epoxide (Isomer A)*

trans-Heptachlor epoxide,
see *Heptachlor epoxide (Isomer A)*

Heptachlor epoxide (Isomer A)

1,4,5,6,7,8,8-Heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan



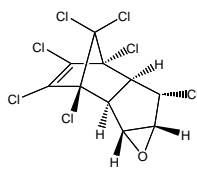
Heptachlor endo-epoxide, trans-Heptachlor epoxide

CAS 28044-83-9 **MF** C₁₀H₅Cl₇O **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** C₁₀H₅Cl₇O **MW** 389.31 **PS** S
MP 159-160 °C **SOL** M,A,D,H,T,CN,TP,EA

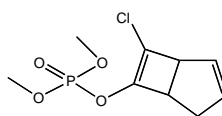
Matrix	Cat. No.	Unit
NEAT	P-054N	10 mg
100 µg/mL in MeOH	P-054S	1 mL
1000 µg/mL in MeOH	P-054S-10X	1 mL

cis-Heptachlor epoxide, see *Heptachlor epoxide (Isomer B)*

Heptachlor exo-epoxide, see *Heptachlor epoxide (Isomer B)*

Heptenophos

7-Chlorobicyclo[3.2.0]hepta-2,6-dien-6-yl dimethyl phosphate



Hostaquick

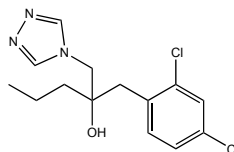
CAS 23560-59-0 **MF** C₉H₁₂ClO₄P **MW** 250.62 **PS** L
SG 1.28 g/cm³ **BP** 64 °C (0.075mm Hg)
FP 152 °C **SOL** M,A,T,CN,H,W

Matrix	Cat. No.	Unit
NEAT	P-547N	10 mg
100 µg/mL in MeOH	P-547S	1 mL

Hexabutyldistannoxane, see *bis(Tributyltin)oxide*

Hexaconazole

(RS)-2-(2,4-Dichlorophenyl)-1-(1H-1,2,4-triazol-1-yl)hexan-2-ol



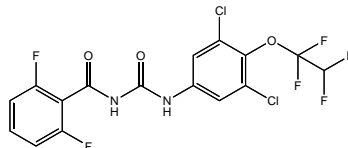
CAS 79983-71-4 **MF** C₁₆H₁₇Cl₂N₃O **MW** 314.21
PS S **SG** 1.29 g/cm³ **MP** 110-112 °C
SOL M,H,T,CN,EA,A,D

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

Hexadrin, see *Endrin*

Hexaflumuron

1-[3,5-Dichloro-4-(1,1,2,2-tetrafluoroethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea

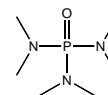


CAS 86479-06-3 **MF** C₁₆H₉Cl₂F₆N₂O₃ **MW** 461.14
PS S **SG** 1.68 g/cm³ **MP** 203-204 °C
BP Decomp. 300 °C **SOL** M,CN,A,EA,IPA,D,T

Matrix	Cat. No.	Unit
NEAT	P-697N	10 mg
100 µg/mL in MeOH	P-697S	1 mL

Hexamethylphosphoramide

tris(Dimethylamino)phosphine oxide



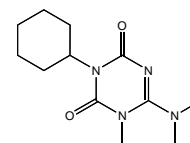
HMPA

CAS 680-31-9 **MF** C₆H₁₈N₃OP **MW** 179.2 **PS** L
SG 1.03 g/cm³ **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

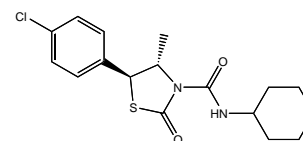


CAS 51235-04-2 **MF** C₁₂H₂₀N₄O₂ **MW** 252.31
PS S **SG** 1.25 g/cm³ **MP** 115-117 °C
SOL M,A,D,H,T,CN,TP,EA,W,H

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

Hexythiazox

trans-5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidinecarboxamide



Nissorun

CAS 78587-05-0 **MF** C₁₇H₂₁ClN₂O₂S **MW** 352.88
PS S **SG** 1.31 g/cm³ **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

Hinochloa, see *Mefenacet*

HMPA, see *Hexamethylphosphoramide*

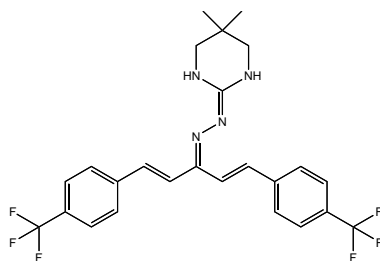
Hoe-grass, see *Diclofop*

Hostaquick, see *Heptenophos*



Hydramethylnon

5,5-Dimethylperhydropyrimidin-2-one 4-(trifluoromethyl-*a*-(4-trifluoromethylstyryl)cinnamylidene)hydrazone



Amdro

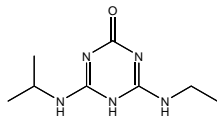
CAS 67485-29-4 MF C₂₅H₂₄F₆N₄ MW 494.48 PS S
SG 1.67 g/cm³ MP 185-190 °C SOL A,M,CN,IPA

Matrix	Cat. No.	Unit
NEAT	P-403N	10 mg
100 µg/mL in MeOH	P-403S	1 mL

Hydroxyatrazine, see 2-Hydroxyatrazine

2-Hydroxyatrazine

4-Ethylamino-2-hydroxy-6-isopropylamino-s-triazine



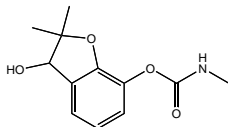
Hydroxyatrazine

CAS 2163-68-0 MF C₈H₁₂N₆O MW 197.24 PS S
SG 1.30 g/cm³ MP 320 °C BP 410 °C SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH:A (98:2)	P-326S	1 mL
100 µg/mL in MC	P-326S-MC	1 mL

3-Hydroxycarbofuran

2,3-Dihydro-2,2-dimethyl-3,7-benzofurandi-ol-7-methyl carbamate



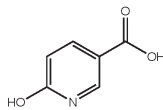
Carbofuran 3-hydroxy

CAS 16655-82-6 MF C₉H₁₅NO₄ MW 237.25 PS S
SG 1.24 g/cm³ 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

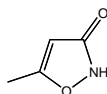


CAS 5006-66-6 MF C₆H₅NO₃ MW 139.11 PS S
SG 1.55 g/cm³ MP 310 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-1226N	10 mg
100 µg/mL in MeOH	P-1226S	1 mL

Hymexazol

3-Hydroxy-5-methylisoxazole



3-Isloxazolol

CAS 10004-44-1 MF C₄H₅NO₂ 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

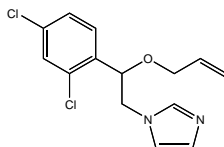
IBP, see *Iprobenfos*

Icon, see *L-Cyhalothrin*

Igran, see *Prebane*

Imazalil

1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole



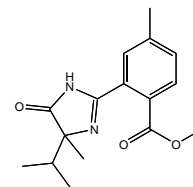
Chloramizol, Enilconazole

CAS 35554-44-0 MF C₁₄H₁₄Cl₂N₂O MW 297.18 PS S
SG 1.35 g/cm³ 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

Imazamethabenz methyl

Methyl 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-4(or 5)-methylbenzoate

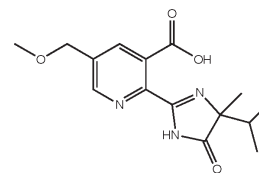


CAS 81405-85-8 MF C₁₆H₂₀N₂O₃ MW 288.34 PS S
SG 0.22 g/cm³ MP 113-153 °C FP >93 °C
SOL M,A,D,H,W,IPA,T

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-imidazol-2-yl)-5-methoxy-methylnicotinic acid



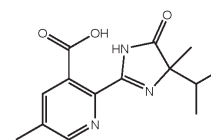
Raptor

CAS 114311-32-9 MF C₁₅H₁₉N₃O₄ MW 305.33
PS S SG 1.35 g/cm³ MP 166 °C
SOL H,M,T,EA,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-806N	10 mg
100 µg/mL in AcCN	P-806S-CN	1 mL

Imazapic

2-[(*RS*)-4-Isopropyl-4-methyl-5-oxo-2-imidazol-2-yl]-5-methylnicotinic acid



CAS 104098-48-8 MF C₁₄H₁₇N₃O₃ MW 275.30 PS S
SG 1.31 g/cm³ MP 205 °C BP >400 °C FP 216 °C
SOL M,A

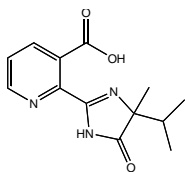
Matrix	Cat. No.	Unit
NEAT	P-1063N	10 mg
100 µg/mL in MeOH	P-1063S	1 mL
100 µg/mL in AcCN	P-1063S-CN	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Imazapyr

2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid

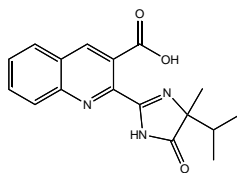


CAS 81334-34-1 **MF** C₁₃H₁₅N₃O₃ **MW** 261.28 **PS S**
SG 1.34 g/cm³ **MP** 169-173 °C
SOL M,A,T,H,CN,W,D

Matrix	Cat. No.	Unit
NEAT	P-589N	10 mg
100 µg/mL in MeOH	P-589S	1 mL
100 µg/mL in AcCN	P-589S-CN	1 mL

Imazaquin

(RS)-2-(4-Isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)quinolin-3-carboxylic acid



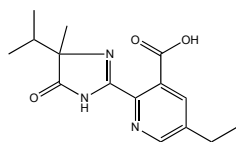
CAS 81335-37-7 **MF** C₁₇H₁₇N₃O₃ **MW** 311.34 **PS S**
SG 0.41 g/cm³ **MP** 224 °C
SOL T,E,A,EA,M,CN,D,DMSO

Matrix	Cat. No.	Unit
NEAT	P-283N	10 mg
100 µg/mL in MeOH	P-283S	1 mL

Imzasulfuron, see Imazosulfuron

Imazethapyr

5-Ethyl-2-(4-isopropyl-4-methyl-5-oxo-4,5-dihydro-1H-imidazol-2-yl)nicotinic acid

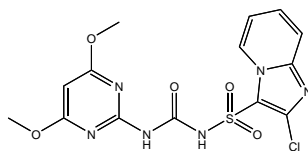


CAS 81335-77-5 **MF** C₁₅H₁₉N₃O₃ **MW** 289.33 **PS S**
SG 1.10 g/cm³ **MP** 169-173 °C **BP** Decomp. 180 °C
SOL CN,M,D,A

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-285S-CN	1 mL

Imazosulfuron

2-Chloro-N-(((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl)imidazo(1,2-a)pyridine-3-sulfonamide



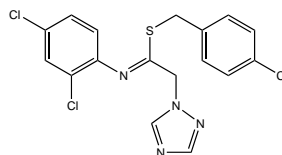
Imazosulfuron

CAS 122548-33-8 **MF** C₁₄H₁₀ClN₅O₃S **MW** 412.81
SG 1.57 g/cm³ **MP** 183-184 °C **SOL** EA,A,D,CN,M

Matrix	Cat. No.	Unit
10 µg/mL in AcCN	P-853S-CN-0.1X	1 mL

Imibenconazole

(4-Chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate

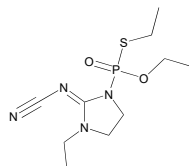


CAS 86598-92-7 **MF** C₁₇H₁₃Cl₃N₃S **MW** 411.74
PS S **SG** 1.42 g/cm³ **MP** 89-90 °C
BP 567-568 °C **FP** 297 °C **SOL** A,M,CN

Matrix	Cat. No.	Unit
50 µg/mL in AcCN	P-1019S-CN-0.5X	1 mL

Imicyafos

O-Ethyl S-propyl (E)-[2-(Cyanoimino)-3-ethylimidazolidin-1-yl]phosphonothioate

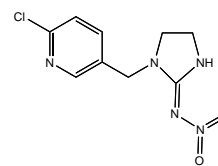


CAS 140163-89-9 **MF** C₁₁H₂₁N₃O₂PS **MW** 304.35
PS L **BP** 392 °C **FP** 191 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1215S-CN	1 mL
1000 µg/mL in AcCN	P-1215S-CN-10X	1 mL

Imidacloprid

1-(6-Chloro-3-pyridinylmethyl)-N-nitro-2-imidazolidinimine



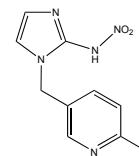
Marathon, Merit

CAS 138261-41-3 **MF** C₉H₁₀ClN₃O₂ **MW** 255.66
PS S **SG** 1.54 g/cm³ **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

Imidacloprid-olefin

1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-1H-imidazol-2-amine

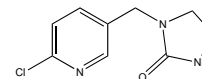


CAS 115086-54-9 **MF** C₉H₈ClN₃O₂ **MW** 253.65
PS S **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1366S-CN	1 mL

Imidacloprid urea

1-[(6-Chloro-3-pyridinyl)methyl]-4,5-dihydro-1H-imidazol-2-ol

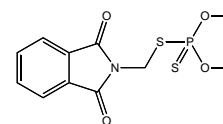


CAS 120868-66-8 **MF** C₉H₁₀ClN₃O **MW** 211.65
PS S **MP** 137-138 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1365S-CN	1 mL

Imidan

N-(Mercaptomethyl)phthalimide S-(O,O-dimethylphosphorodithioate)



Percolate, Phosmet

CAS 732-11-6 **MF** C₁₁H₁₂N₂O₄PS₂ **MW** 317.32 **PS S**
SG 1.44 g/cm³ **MP** 72-73 °C **BP** Decomp. 100 °C
FP >106 °C **SOL** M,A,D,H,T,CN,TP,EA

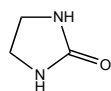
Matrix	Cat. No.	Unit
NEAT	P-055N	10 mg
100 µg/mL in MeOH	P-055S	1 mL



2-Imidazolidinethione, see Ethylene thiourea

2-Imidazolidone

N,N'-Ethyleneurea



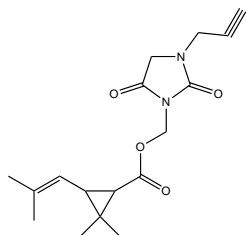
2-Oxoimidazolidine

CAS 120-93-4 **MF** C₃H₆N₂O **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

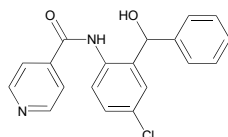


CAS 72963-72-5 **MF** C₁₇H₂₂N₂O₄ **MW** 318.37 **PS** L
SOL CN,H **SG** 1.12 g/cm³ **FP** 110 °C

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-983S-CN	1 mL

Inabenfide

4'-Chloro-2'-(alpha-hydroxybenzyl)isonicotinamide

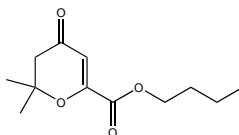


CAS 82211-24-3 **MF** C₁₉H₁₅ClN₂O₂ **MW** 338.79
PS S **MP** 211 °C **SOL** A,CN,N,M

Matrix	Cat. No.	Unit
100 µg/mL in A/AcCN	P-1219S-A-CN	1 mL
1000 µg/mL in A/AcCN	P-1219S-A-CN-10X	1 mL

Indalone

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



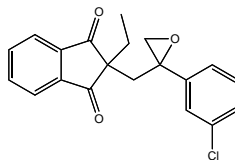
Butopyronoxyl

CAS 532-34-3 **MF** C₁₂H₁₆O₄ **MW** 226.27 **PS** L
SG 1.06 g/cm³ **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

Indanofan

2-[[2-(3-Chlorophenyl)oxiranyl]methyl]-2-ethyl-1H-indene-1,3(2H)-dione



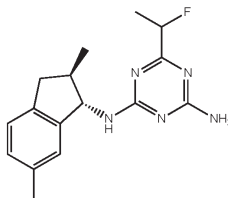
CAS 133220-30-1 **MF** C₂₀H₁₇ClO₃ **MW** 340.80
PS S **SG** 1.24 g/cm³ **MP** 60-61 °C
SOL H,M,A,EA,CN,T,D

Matrix	Cat. No.	Unit
NEAT	P-988N	10 mg
100 µg/mL in MeOH	P-988S	1 mL

Indar, see Fenbuconazole

Indaziflam

N-[(1R,2S)-2,3-Dihydro-2,6-dimethyl-1H-inden-1-yl]-6-[(1RS)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine

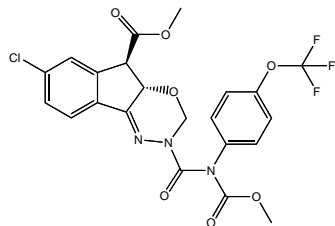


CAS 950782-86-2 **MF** C₁₆H₁₆FN₅ **MW** 301.36
PS S **SG** 1.23 g/cm³ **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1168S-CN	1 mL

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

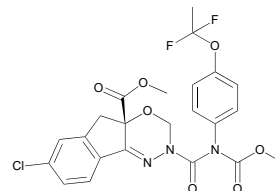


CAS 144171-61-9 **MF** C₂₂H₁₇ClF₃N₃O₇
MW 527.83 **PS** S **SG** 1.44 g/cm³ **MP** 88.1 °C
SOL M,A,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-829N	10 mg
100 µg/mL in AcCN	P-829S-CN	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-yl]carbamoyl]-4'-(trifluoromethoxy)carbanilate

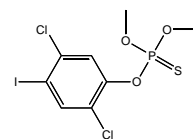


CAS 173584-44-6 **MF** C₂₂H₁₇ClF₃N₃O₇ **MW** 527.84
PS S **SG** 1.44 g/cm³ **MP** 88 °C
BP decomp. 235 °C **SOL** A,CN,M,T

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



Jodfenphos

CAS 18181-70-9 **MF** C₈H₈Cl₂I₂O₃PS **MW** 413 **PS** S
SG 1.87 g/cm³ **MP** 75 °C **SOL** M,A,D,H,T,CN

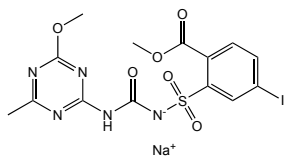
Matrix	Cat. No.	Unit
NEAT	P-379N	10 mg
100 µg/mL in MeOH	P-379S	1 mL

Iodosulfuron methyl ester sodium salt, see Iodosulfuron-methyl-sodium



Iodosulfuron-methyl-sodium

Methyl-4-iodo-2-[3-(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-ureidosulfonyl]benzoate sodium salt



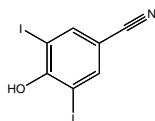
Iodosulfuron methyl ester sodium salt

CAS 144550-36-7 **MF** C₁₄H₁₃IN₃NaO₆S **MW** 529.27
PS S **SG** 1.76 g/cm³ **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 AcCN	P-830S-CN	1 mL

loxynil

4-Hydroxy-3,5-diiodobenzonitrile

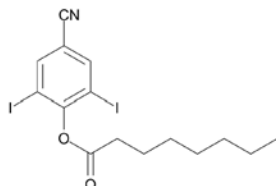


CAS 1689-83-4 **MF** C₇H₃I₂NO **MW** 370.91 **PS S**
SG 2.71 g/cm³ **MP** 212-213 °C
BP 283 °C (0.013kPa) **SOL** M,A,D,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-522N	10 mg
100 µg/mL in MeOH	P-522S	1 mL

loxynil octanoate

4-Cyano-2,6-diiodophenyl octanoate



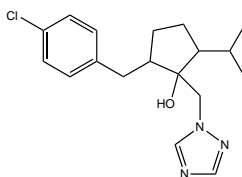
CAS 3861-47-0 **MF** C₁₅H₁₁I₂NO₂ **MW** 497.1 **PS S**
SG 1.81 g/cm³ **MP** 57 °C **BP** Decomp. 218 °C
SOL A,EA,M,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1329S-CN	1 mL

IPC, see Propham

Ipconazole

2-[(4-Chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol

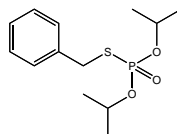


CAS 125225-28-7 **MF** C₁₈H₂₄CIN₃O **MW** 333.86
PS S **SG** 1.20 g/cm³ **MP** 88-89 °C **BP** 400 °C
SOL A,EA,M,CN,D,T

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-958S-CN	1 mL

Iprobenfos

S-Benzyl O,O-diisopropyl phosphorothioate



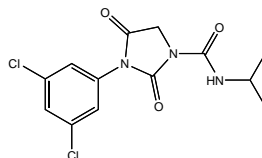
IBP, Kitazin

CAS 26087-47-8 **MF** C₁₃H₂₁O₃PS **MW** 288.37 **PS L**
SG 1.03 g/cm³ **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

Iprodione

3-(3,5-Dichlorophenyl)-N-isopropyl-2,4-dioximidazolidine-1-carboxamide



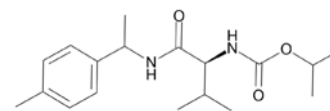
Glycophene

CAS 36734-19-7 **MF** C₁₃H₁₃Cl₂N₃O₃ **MW** 330.17
PS S **SG** 1.00 g/cm³ **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 AcCN	P-016S-CN	1 mL
100 µg/mL in Acetone	P-016S-A	1 mL

Iprovalicarb

Isopropyl-2-methyl-1-[(1-p-tolylethyl)carbamoyl]- (S)-propylcarbamate

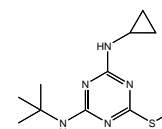


CAS 140923-17-7 **MF** C₁₈H₂₈N₂O₃ **MW** 320.43
PS S **SG** 1.11 g/cm³ **MP** 164 °C
SOL T,A,EA,D,M,CN

Matrix	Cat. No.	Unit
NEAT	P-831N	10 mg
100 µg/mL in AcCN	P-831S-CN	1 mL

Irgarol

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



Cybutryne, Fintryne

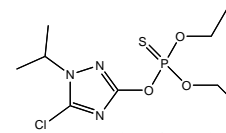
CAS 28159-98-0 **MF** C₁₁H₁₉N₃S **MW** 253.37
PS S **SG** 1.20 g/cm³ **MP** 128-133 °C **SOL** M,D

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

Isazofos, see Isazophos

Isazophos

O-5-Chloro-1-isopropyl-1H-1,2,4-triazol-3-yl O,O-diethyl phosphorothioate



Isazofos

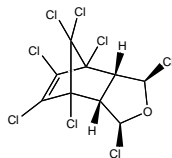
CAS 42509-80-8 **MF** C₉H₁₁ClN₃O₃PS **MW** 313.74
PS L **SG** 1.23 g/cm³ **BP** 170 °C
SOL M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-449N	10 mg
100 µg/mL in MeOH	P-449S	1 mL



Isobenzan

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

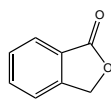


Telodrin

CAS 297-78-9 **MF** C₉H₄Cl₈O **MW** 411.75 **PS** S
SG 1.90 g/cm³ **MP** 121 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-323S	1 mL

Isobenzofuranone



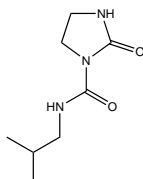
Phthalide

CAS 87-41-2 **MF** C₈H₆O₂ **MW** 134.13 **PS** S
SG 1.41 g/cm³ **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

Isocarbamid

N-(2-Methylpropyl)-2-oxoimidazolidine-1-carboxamide



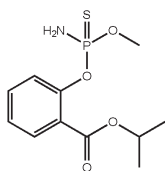
CAS 30979-48-7 **MF** C₈H₁₅N₃O₂ **MW** 185.22 **PS** S
SG 1.14 g/cm³ **MP** 95-96 °C **FP** >100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-880S-CN	1 mL

Isocarbafos, see **Isocarbophos**

Isocarbophos

O-Methyl O-[2-(isopropoxycarbonyl)phenyl] phosphoramidothioate



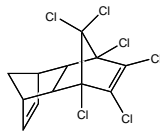
Isocarbafos

CAS 24353-61-5 **MF** C₁₁H₁₆NO₄PS **MW** 289.29
PS S **SG** 1.35 g/cm³ **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 AcCN	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

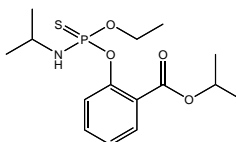


CAS 465-73-6 **MF** C₁₂H₈Cl₆ **MW** 364.91 **PS** S
MP 239-241 °C **BP** Decomp. **SOL** M,A,D,H,T,EA

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 isopropylphosphoramidothioate

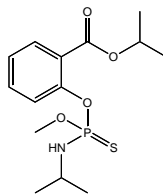


CAS 25311-71-1 **MF** C₁₅H₂₄NO₄PS **MW** 345.4
PS L **SG** 1.13 g/cm³ **BP** 120 °C (0.0013kPa)
FP >115 °C **SOL** M,A,D,H,EA,T,IPA

Matrix	Cat. No.	Unit
NEAT	P-018N	10 mg
100 µg/mL in MeOH	P-018S	1 mL

Isufenphos-methyl

1-Methylethyl 2-[[[methoxy[(1-methylethyl)amino]phosphinothioyl]oxy]benzoate

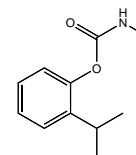


CAS 99675-03-3 **MF** C₁₄H₂₂NO₄PS **MW** 331.37
PS L **SG** 1.2 g/cm³ **BP** 398 °C **FP** 194 °C
SOL M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-984S	1 mL

Isoprocarb

o-Cumenyl methylcarbamate



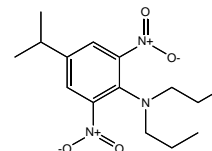
MIPC

CAS 2631-40-5 **MF** C₁₁H₁₅NO₂ **MW** 193.25 **PS** S
SG 0.62 g/cm³ **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

Isopropalin

4-Isopropyl-2,6-dinitro-N,N-dipropylaniline



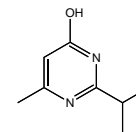
CAS 33820-53-0 **MF** C₁₅H₂₃N₃O₄ **MW** 309.36 **PS** L
FP 40 °C **SOL** M,A,D,CN,TP,EA

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

Isopropyl 3-chlorocarbanilate, see **Chlorpropham**

2-Isopropyl-4-methyl-6-pyrimidinol, see **2-Isopropyl-6-methyl-4-pyrimidinol**

2-Isopropyl-6-methyl-4-pyrimidinol



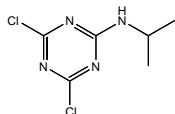
2-Isopropyl-4-methyl-6-pyrimidinol

CAS 2814-20-2 **MF** C₈H₁₂N₂O **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



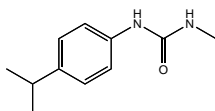
2-Isopropylamino-4,6-dichloro-s-triazine



CAS 3703-10-4 MF C₆H₈Cl₂N₄ 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



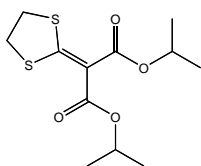
Desmethyl isoproturon

CAS 34123-57-4 MF C₁₁H₁₆N₂O MW 192.26
PS S SOL M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1040S	1 mL

Isoprothiolane

Diisopropyl 1,3-dithiolan-2-ylidenemalonate

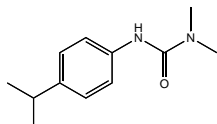


CAS 50512-35-1 MF C₁₂H₁₈O₄S₂ MW 290.4 PS S
SG 1.04 g/cm³ MP 54 °C FP 159 °C
BP 167-169 °C (0.5mm Hg) SOL M,A,H,CN

Matrix	Cat. No.	Unit
NEAT	P-661N	10 mg
100 µg/mL in MeOH	P-661S	1 mL

Isoproturon

3-(4-Isopropylphenyl)-1,1-dimethylurea



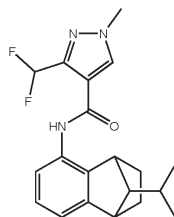
N,N-Dimethyl-*N'*-(4-(1-methylethyl)phenyl)urea

CAS 34123-59-6 MF C₉H₁₆N₂O MW 206.28
PS S SG 1.16 g/cm³ 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

Isopyrazam

3-(Difluoromethyl)-1-methyl-N-(1,2,3,4-tetrahydro-9-(1-methylethyl)-1,4-methanonaphthalen-5-yl)-1H-pyrazole-4-carboxamide

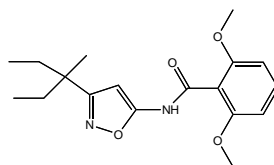


CAS 881685-58-1 MF C₂₀H₂₃F₂N₃O MW 359.41
PS S SG 1.33 g/cm³ MP 137 °C BP 267 °C
SOL A,D,H,T,CN,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1159S-CN	1 mL

Isoxaben

2,6-Dimethoxy-N-[3-(3-methyl-3-pentanyl)-1,2-oxazol-5-yl]benzamide

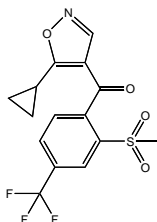


CAS 82558-50-7 MF C₁₈H₂₄N₂O₄ MW 332.39 PS S
SG 0.58 g/cm³ MP 176-179 °C
SOL M,A,CN,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-533N	10 mg
100 µg/mL in MeOH	P-533S	1 mL

Isoxaflutole

5-Cyclopropyl-1,2-oxazol-4-yl a,a,a-trifluoro-2-mesyl-p-tolyl ketone

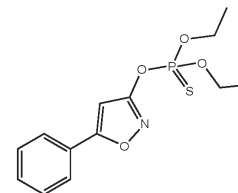


CAS 141112-29-0 MF C₁₅H₁₂F₃NO₄S MW 359.32
PS S SG 1.59 g/cm³ MP 140 °C FP >130 °C
SOL A,EA,T,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-832N	10 mg
100 µg/mL in AcCN	P-832S-CN	1 mL

Isoxathion

O,O-Diethyl O-(5-phenyl-1,2-oxazol-3-yl) phosphorothioate

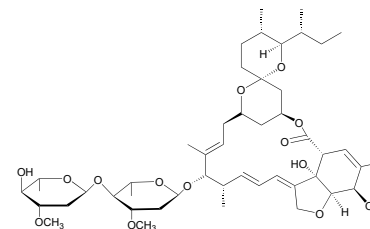


CAS 18854-01-8 MF C₁₃H₁₆NO₄PS MW 313.31
PS L SG 1.23 g/cm³ BP 160 °C (0.15mm Hg)
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-1096N	10 mg
100 µg/mL in AcCN	P-1096S-CN	1 mL

3-Isoxazolol, see Hymexazol

Ivermectin



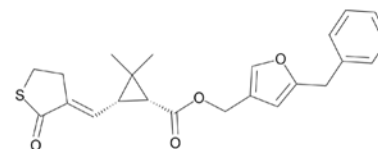
CAS 70288-86-7 MF C₄₈H₇₄O₁₄ MW 875.11 PS S
MP 155 °C SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1084S-CN	1 mL
1000 µg/mL in AcCN	P-1084S-CN-10X	1 mL

Jodfenphos, see Iodofenphos

Kadethrine

5-Benzyl-3-furylmethyl (E)-(1R,3S)-2,2-dimethyl-3-(2-oxo-thiolan-3-ylidenemethyl) cyclopropanecarboxylate



RU 15525

CAS 58769-20-3 MF C₂₃H₂₄O₄S MW 396.5 PS L
SG 1.28 g/cm³ FP >100 °C SOL M,A,D

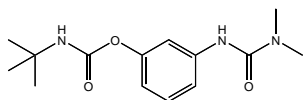
Matrix	Cat. No.	Unit
NEAT	P-367N	10 mg
100 µg/mL in MeOH	P-367S	1 mL

Karate, see L-Cyhalothrin



Karbutilate

3-(3,3-Dimethylureido)phenyl tert-butylcarbamate

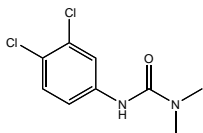


CAS 4849-32-5 **MF** C₁₄H₂₁N₃O₃ **MW** 279.33 **PS** S
SG 1.15 g/cm³ **MP** 176-176.5 °C **FP** >100 °C
SOL M,CN,EA,A,IPA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-337N	10 mg
100 µg/mL in MeOH	P-337S	1 mL

Karmex

3-(3,4-Dichlorophenyl)-1,1-dimethylurea



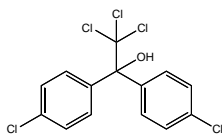
DCMU, Diuron

CAS 330-54-1 **MF** C₉H₁₀Cl₂N₂O **MW** 233.09 **PS** S
SG 1.5 g/cm³ **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

Kelthane

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



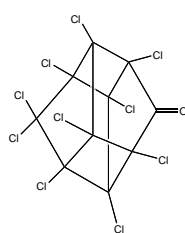
Dicofol, p,p'-Dicofol

CAS 115-32-2 **MF** C₁₄H₉Cl₅O **MW** 370.49 **PS** S
SG 1.45 g/cm³ **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

Kepona

Decachlorotetracyclodecanone



Chlordecone

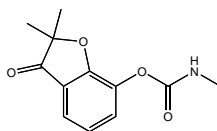
CAS 143-50-0 **MF** C₁₀Cl₁₀O **MW** 490.63 **PS** S
SG 1.64 g/cm³ **MP** 350 °C **FP** >100 °C
SOL M,A,D,H,T,CN,TP

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

Kerb, see Pronamide

3-Ketocarbofuran

2,2-Dimethyl-7-((methylamino)carbonyloxy)-3(2H)-benzofuranone



Carbofuran-3-keto

CAS 16709-30-1 **MF** C₁₂H₁₃NO₄ **MW** 235.24 **PS** S
SG 1.23 g/cm³ **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

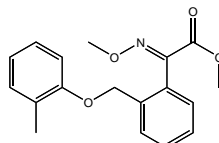
delta-Ketoendrin, see Endrin ketone

Kilval, see Vamidothion

Kitazin, see Iprobenfos

Kresoxim-methyl

Methyl-methoxyimino-alpha-(o-tolyoxy)-o-tolylacetate



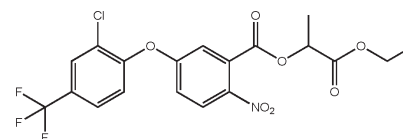
BAS 490 F

CAS 143390-89-0 **MF** C₁₈H₁₉NO₄ **MW** 313.35 **PS** S
SG 1.26 g/cm³ **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

Lactofen

1-Ethoxy-1-oxo-2-propanyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate



CAS 77501-63-4 **MF** C₁₉H₁₅ClF₃NO₇ **MW** 461.77
PS S **SG** 1.40 g/cm³ **MP** 43-45 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-979N	10 mg
100 µg/mL in AcCN	P-979S-CN	1 mL

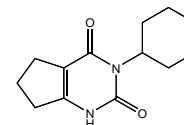
Lannate, see Methomyl

Lanray, see Orbencarb

Lasso, see Alachlor

Lenacil

3-Cyclohexyl-1,5,6,7-tetrahydrocyclopentapyrimidine-2,4(3H)-dione



3-Cyclohexyl-5,6-trimethyleuracil

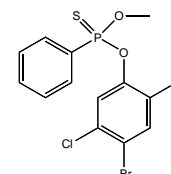
CAS 2164-08-1 **MF** C₁₃H₁₈N₂O₂ **MW** 234.29 **PS** S
SG 1.32 g/cm³ **MP** 316-317 °C (decomp.)
SOL A,T,H,EA,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-649N	10 mg
100 µg/mL in MeOH	P-649S	1 mL

Lentagran, see Pyridate

Leptophos

O-4-Bromo-2,5-dichlorophenyl O-methyl phenylphosphonothioate



Phosvel

CAS 21609-90-5 **MF** C₁₃H₁₀BrCl₂O₂PS **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 Hexane	P-206S-H-10X	1 mL

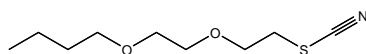
Lesan, see Fenaminosulf

Lethane, see Lethane 384



Lethane 384

2-(2-Butoxyethoxy)ethyl thiocyanate



Lethane

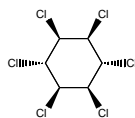
CAS 112-56-1 MF C₉H₁₇NO₂S MW 203.33 PS L
SG 0.915-0.930 BP 120-125 °C (0.25mm Hg)
FP 52 °C SOL M,H

Matrix	Cat. No.	Unit
NEAT	P-506N	10 mg
100 µg/mL in MeOH	P-506S	1 mL

Liberty, see Glufosinate, ammonium salt

Lindane

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



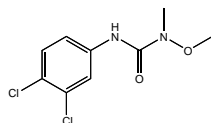
g-BHC, g-HCH

CAS 58-89-9 MF C₆H₆Cl₆ MW 290.83 PS S
SG 1.88 g/cm³ 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

Linuron

3-(3,4-Dichlorophenyl)-1-methoxy-1-methylurea



CAS 330-55-2 MF C₉H₁₀Cl₂N₂O₂ MW 249.11 PS S
SG 1.49 g/cm³ 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

Lirinox, see 2,4-D butyl ester

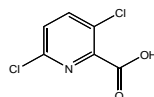
Lironion, see Difenoxuron

Lonacol, see Zineb

Londax, see Bensulfuron-methyl

Lontrel

3,6-Dichloropyridine-2-carboxylic acid



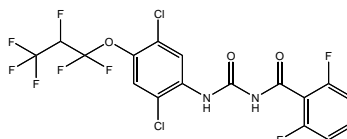
Clopyralid

CAS 1702-17-6 MF C₅H₃Cl₂NO₂ MW 192 PS S
SG 1.61 g/cm³ 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-hexafluoropropyl)phenyl]-3-(2,6-difluorobenzoyl)urea



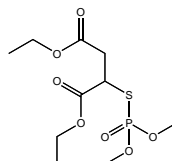
CAS 103055-07-8 MF C₁₇H₈Cl₂F₈N₂O₃ MW 511.15
SG 1.66 g/cm³ MP 165-168 °C
SOL A,EA,H,T,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-704N	10 mg
100 µg/mL in MeOH	P-704S	1 mL

Machette, see Butachlor

Malaoxon

Diethyl 2-[[dimethoxyphosphoryl]sulfanyl]succinate



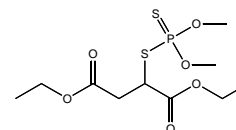
Malathion-O-analog

CAS 1634-78-2 MF C₁₀H₁₈O₇PS 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

Malathion

Diethyl[(dimethoxyphosphinothioyl)thio]butanedioate



Phosphothion

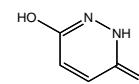
CAS 121-75-5 MF C₁₀H₁₉O₆PS₂ MW 330.36 PS L
SG 1.23 g/cm³ BP 156-157 °C (0.7mm Hg)
FP 163 °C SOL M,A,D,H,T,CN,TP,EA

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 Hexane	P-060S-H-10X	1 mL

Malathion-O-analog, see Malaoxon

Maleic hydrazide

3,6-Dihydroxypyridazine



1,2-Dihydro-3,6-pyridazinedione

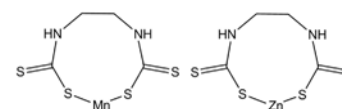
CAS 123-33-1 MF C₄H₄N₂O₂ MW 112.09 PS S
SG 1.61 g/cm³ MP 300 °C FP 300 °C
SOL M,T,H,EA,CN,W

Matrix	Cat. No.	Unit
NEAT	P-380N	10 mg
100 µg/mL in MeOH	P-380S	1 mL

Maloran, see Chlorbromuron

Mancozeb

Manganese zinc ethylenebisdithiocarbamate



Manzeb

CAS 8018-01-7 MF C₄H₈MnN₂S₄/C₄H₈N₂S₄Zn
MW 265.31/275.76 PS S SG 1.99 g/cm³
MP 192-204 °C (decomp.) FP 138 °C SOL CN

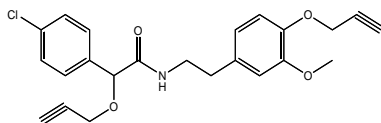
Matrix	Cat. No.	Unit
NEAT	P-322N	10 mg

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Mandipropamid

2-(4-Chlorophenyl)-N-[2-[3-methoxy-4-(prop-2-ynoxy)phenyl]ethyl]-2-(prop-2-ynoxy)acetamide

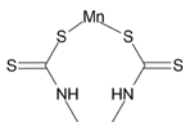


CAS 374726-62-2 **MF** C₂₃H₂₆ClNO₄ **MW** 411.88
PS S **SG** 1.24 g/cm³ **MP** 97°C **BP** Decomp. 200 °C
FP >200 °C **SOL** A,EA,T,D,CN,M

Matrix	Cat. No.	Unit
NEAT	P-1023N	10 mg
100 µg/mL in AcCN	P-1023S-CN	1 mL

Maneb

[1,2-Ethanediy]bis[carbamo(dithio)ato](2-)]manganese



MEB, Manganese ethylenebis(dithiocarbamate)

CAS 12427-38-2 **MF** C₄H₈MnN₂S₄ **MW** 265.31
PS S **SG** 1.92 g/cm³ **MP** Decomp. **SOL** EA,A

Matrix	Cat. No.	Unit
NEAT	P-282N	10 mg

Manganese ethylenebis(dithiocarbamate), see Maneb

Manzeb, see Mancozeb

Marathon, see Imidacloprid

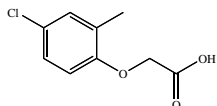
Mataven, see Flamprop-methyl

Mavrik, see Tau-Fluvalinate

MBC, see Carbendazim

MCPA acid

4-Chloro-o-tolyloxyacetic acid

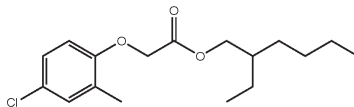


Methoxone

CAS 94-74-6 **MF** C₈H₇ClO₃ **MW** 200.62 **PS** S
SG 1.41 g/cm³ **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 AcCN	P-153S-CN	1 mL

MCPA 2-ethylhexyl ester

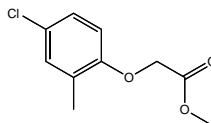


CAS 29450-45-1 **MF** C₁₇H₂₅ClO₃ **MW** 312.83 **PS** L
SG 1.06 g/cm³ **BP** 168-169 °C (0.75mm Hg)
FP >100 °C **SOL** M,A

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

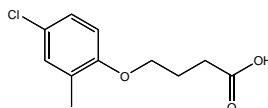
CAS 2436-73-9 **MF** C₁₀H₁₁ClO₃ **MW** 214.65 **PS** L
SG 1.20 g/cm³ **BP** 127 °C (3mm Hg)
SOL M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-038N	10 mg
100 µg/mL in MeOH	P-038S	1 mL

2,4-MCPB, see MCPB acid

MCPB acid

4-(4-Chloro-o-tolyloxy)butyric acid



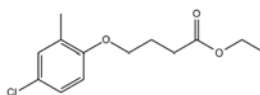
2,4-MCPB

CAS 94-81-5 **MF** C₁₁H₁₃ClO₃ **MW** 228.67 **PS** S
SG 1.23 g/cm³ **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

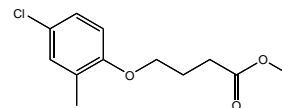


CAS 10443-70-6 **MF** C₁₃H₁₇ClO₃ **MW** 256.73 **PS** L
SG 1.13 g/cm³ **BP** Decomp. 150 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1347S-CN	1 mL

MCPB methyl ester

Methyl 4-(4-chloro-2-methylphenoxy)butyrate

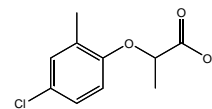


CAS 57153-18-1 **MF** C₁₄H₁₅ClO₃ **MW** 242.7 **PS** L
BP 138-140 °C (5.25mm Hg) **SOL** M,D,H,TP

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



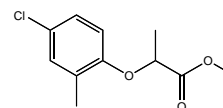
Mechlorprop, Mecoprop acid

CAS 7085-19-0 **MF** C₁₀H₁₁ClO₃ **MW** 214.65 **PS** S
SG 1.26 g/cm³ **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 AcCN	P-154S-CN	1 mL

MCPP methyl ester

Methyl 2-(4-chloro-2-methylphenoxy)propanoate



Mecoprop methyl ester

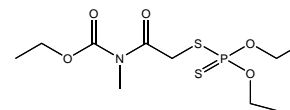
CAS 23844-56-6 **MF** C₁₁H₁₃ClO₃ **MW** 228.67 **PS** S
SG 1.21 g/cm³ **MP** 95-96 °C **FP** 100 °C
SOL M,A,D,H,T,TP

Matrix	Cat. No.	Unit
NEAT	P-040N	10 mg
100 µg/mL in MeOH	P-040S	1 mL

MEB, see Maneb

Mecarbam

S-(N-Ethoxycarbonyl-N-methylcarbamoyl)methyl)
O,O-diethyl phosphorodithioate



CAS 2595-54-2 **MF** C₁₀H₂₀NO₅PS₂ **MW** 329.38
PS L **SG** 1.22 g/cm³ **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

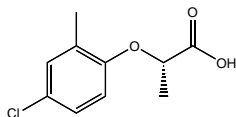


Mechlorprop, see *MCPP Acid*

Mecoprop acid, see *MCPP acid*

Mecoprop-P

(R)-(+)-2-(4-Chloro-2-methylphenoxy)propionic acid

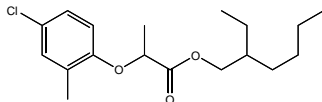


CAS 16484-77-8 **MF** C₁₀H₁₁ClO₃ **MW** 214.65 **PS** S
SG 1.31 g/cm³ **MP** 95-96 °C **FP** 70-80 °C
SOL A,EA,M,W,T,D,H

Matrix	Cat. No.	Unit
NEAT	P-1053N	10 mg
100 µg/mL in Acetone	P-1053S-A	1 mL

Mecoprop-2-ethylhexyl ester

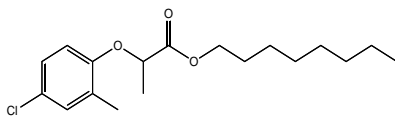
2-Ethylhexyl 2-(4-chloro-2-ethylphenoxy)propanoate



CAS 71526-69-7 **MF** C₁₈H₂₇ClO₃ **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

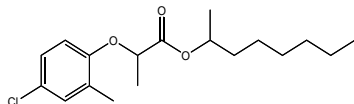
Mecoprop-1-octyl ester



CAS 161922-37-8 **MF** C₁₈H₂₇ClO₃ **MW** 326.86 **PS** L

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1028S-CN	1 mL

Mecoprop-2-octyl ester



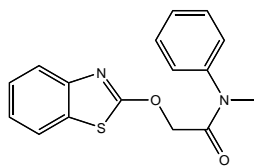
CAS 28473-03-2 **MF** C₁₈H₂₇ClO₃ **MW** 326.86 **PS** L
BP >100 °C (0.2mm Hg) **FP** 100 °C **SOL** A,CN

Matrix	Cat. No.	Unit
NEAT	P-1029N	10 mg
100 µg/mL in AcCN	P-1029S-CN	1 mL

Mecoprop methyl ester, see *MCPP methyl ester*

Mefenacet

2-(1,3-Benzothiazol-2-yloxy)-N-methylacetanilide



Hincholea

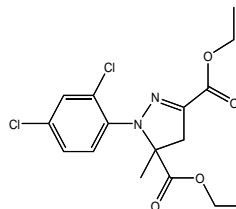
CAS 73250-68-7 **MF** C₁₆H₁₄N₂O₂S **MW** 298.38
PS S **SG** 1.32 g/cm³ **MP** 134-135 °C **FP** >100 °C
SOL D,H,T,IPA,M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-745N	10 mg
100 µg/mL in MeOH	P-745S	1 mL

Mefenoxam, see *Metalaxyl-M*

Mefenpyr-diethyl

1-(2,4-Dichlorophenyl)-4,5-dihydro-5-methyl-1H-pyrazole-3,5-dicarboxylic acid



CAS 135590-91-9 **MF** C₁₆H₁₀Cl₂N₂O₄ **MW** 373.23
PS S **SG** 1.31 g/cm³ **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

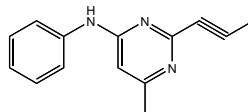
Meltatox, see *Dodemorph acetate*

Meothrin, see *Danitol*

MEP, see *Fenitrothion*

Mepanipyrin

N-(4-Methyl-6-prop-1-ynylpyrimidin-2-yl)aniline



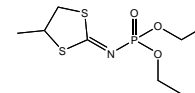
CAS 110235-47-7 **MF** C₁₄H₁₃N₃ **MW** 223.27 **PS** S
SG 1.21 g/cm³ **MP** 125-126 °C **BP** Decomp. 288 °C
FP 131 °C **SOL** A,M,H,EA,T,D,CN

Matrix	Cat. No.	Unit
NEAT	P-855N	10 mg
100 µg/mL in AcCN	P-855S-CN	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

Mephosfolan

Diethyl-4-methyl-1,3-dithiolan-2-ylidene phosphoramidate

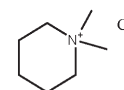


CAS 950-10-7 **MF** C₈H₁₆NO₃PS₂ **MW** 269.32 **PS** L
SG 1.54 g/cm³ **BP** 120 °C (0.001mm Hg)
SOL M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-718N	10 mg
100 µg/mL in MeOH	P-718S	1 mL

Mepiquat chloride

1,1-Dimethylpiperidinium chloride

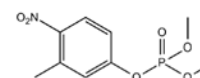


CAS 24307-26-4 **MF** C₇H₁₆ClN **MW** 149.66 **PS** S
SG 1.16 g/cm³ **MP** 223 °C **BP** Decomp. 285 °C
FP >200 °C **SOL** M,A,T,W

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



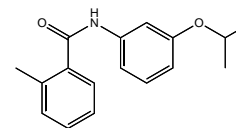
Fenitrothion-oxon

CAS 2255-17-6 **MF** C₁₂H₁₂NO₆P **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** C₁₇H₁₉NO₂ **MW** 269.37 **PS** S
SG 1.11 g/cm³ **MP** 94 °C **SOL** M,A,CN,H,T,EA,D

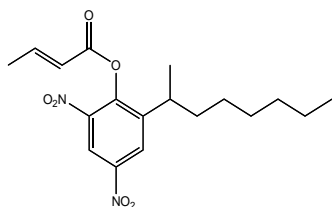
Matrix	Cat. No.	Unit
NEAT	P-736N	10 mg
100 µg/mL in MeOH	P-736S	1 mL



Pesticide Standards

Meptyldinocap

2-(1-Methylheptyl)-4,6-dinitrophenyl (2E)-2-butenate



CAS 131-72-6 **MF** C₁₈H₂₄N₂O₆ **MW** 364.39 **PS** L
SG 1.11 g/cm³ **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

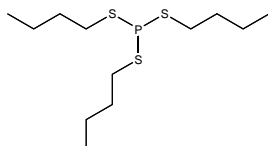
Mercaptodimethur, see Methiocarb

Mercaptophos, see Fenthion

Merit, see Imidacloprid

Merphos

Tributylphosphorotrithioate



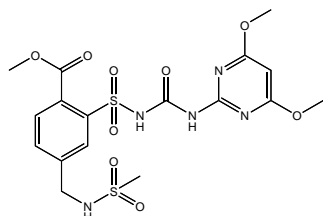
Folex

CAS 150-50-5 **MF** C₁₂H₂₇PS₃ **MW** 298.51 **PS** L
SG 0.99 g/cm³ **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

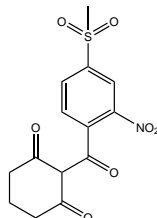


CAS 208465-21-8 **MF** C₁₇H₂₁N₅O₅S₂ **MW** 503.51
PS S **SG** 1.48 g/cm³ **MP** 195-196 °C **BP** Decomp.
SOL M,CN,H,A,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-1044N	10 mg
100 µg/mL in MeOH	P-1044S	1 mL

Mesotrione

2-[4-(Methylsulfonyl)-2-nitrobenzoyl]cyclohexane-1,3-dione



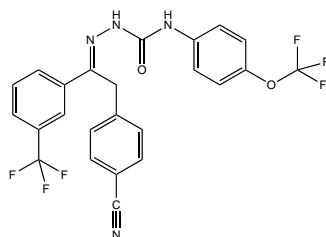
CAS 104206-82-8 **MF** C₁₄H₁₃NO₇S **MW** 339.32
PS L **SG** 1.49 g/cm³ **MP** 165-166 °C
SOL M,A,CN,EA,T

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-962S-CN	1 mL

Metacil, see Aminocarb

Metaflumizone

(EZ)-2'-[2-(4-Cyanophenyl)-1-(a,a,a-trifluoro-m-tolyl)ethylidene]-4-(trifluoromethoxy)carbanilohydrazide

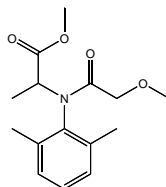


CAS 139968-49-3 **MF** C₂₄H₁₆F₆N₄O₂ **MW** 506.40
PS S **SG** 1.46 g/cm³ **MP** 133 °C
BP Decomp. 232 °C **SOL** CN,T

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1090S-CN	1 mL

MetalaxyI

Methyl N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alaninate



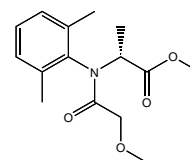
CAS 57837-19-1 **MF** C₁₅H₂₁NO₄ **MW** 279.33 **PS** S
SG 1.20 g/cm³ **MP** 72-73 °C **BP** 296 °C **FP** 100 °C
SOL M,A,D,H,T,CN,TP,EA,W

Matrix	Cat. No.	Unit
NEAT	P-120N	10 mg
100 µg/mL in MeOH	P-120S	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

MetalaxyI-M

Methyl N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-D-alaninate



Mefenoxam

CAS 70630-17-0 **MF** C₁₅H₂₁NO₄ **MW** 279.33 **PS** L
SG 1.13 g/cm³ **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

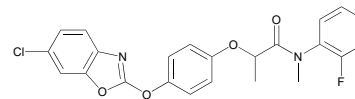
CAS 9002-91-9 **MF** (C₂H₄O)_n **MW** (44.05)_n **PS** S
SG 1.27 g/cm³ **MP** 190-196 °C **FP** 55 °C
SOL M,A,CN,W,T

Matrix	Cat. No.	Unit
NEAT	P-600N	10 mg
100 µg/mL in MeOH	P-600S ▲	1 mL
100 µg/mL in AcCN	P-600S-CN	1 mL

Metaldehyde homopolymer, see Metaldehyde

Metamifop

(2R)-2-[4-[(6-Chloro-1,3-benzoxazol-2-yl)oxy]phenoxy]-N-(2-fluorophenyl)-N-methylpropanamide



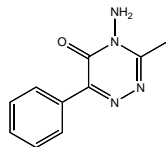
CAS 256412-89-2 **MF** C₂₃H₁₈ClFN₂O₄ **MW** 440.86
PS S **SG** 1.39 g/cm³ **MP** 78 °C **BP** decomp.
SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1114S-CN	1 mL
1000 µg/mL in AcCN	P-1114S-CN-10X	1 mL



Metamitron

4-Amino-4,5-dihydro-3-methyl-6-phenyl-1,2,4-triazin-5-one

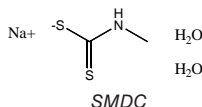


CAS 41394-05-2 **MF** C₁₀H₁₀N₄O **MW** 202.21 **PS** S
SG 1.34 g/cm³ **MP** 166-167 °C **BP** Decomp. 250 °C
SOL M,A,CN,EA,D,W,T,IPA

Matrix	Cat. No.	Unit
NEAT	P-252N	10 mg
100 µg/mL in MeOH	P-252S	1 mL

Metam-sodium dihydrate

Sodium N-methyldithiocarbamate



CAS 6734-80-1 **MF** C₂H₅NS₂•Na•2H₂O **MW** 165.21
PS S **SOL** M

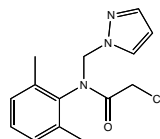
Matrix	Cat. No.	Unit
NEAT	P-381N	10 mg
100 µg/mL in MeOH	P-381S	1 mL
1000 µg/mL in MeOH	P-381S-10X	1 mL

Metasystox I, see *Demeton-S-methyl*

MetaSystox-R, see *Oxydemeton-methyl*

Metazachlor

2-Chloro-N-(pyrazol-1-ylmethyl)acet-2',6'-xylidide

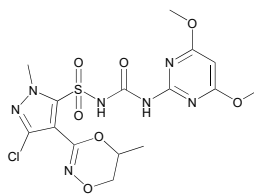


CAS 67129-08-2 **MF** C₁₄H₁₆ClN₃O **MW** 277.75
PS S **SG** 1.31 g/cm³ **MP** 85 °C
SOL M,A,H,CN,EA,T,D,W

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-dimethoxy-pyrimidin-2-yl)urea

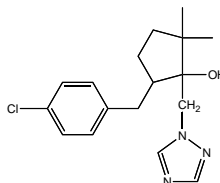


CAS 868680-84-6 **MF** C₁₅H₁₈ClN₇O₇S **MW** 475.86
PS S **SG** 1.72 g/cm³ **MP** 185 °C decomp. **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1220S-CN	1 mL
1000 µg/mL in AcCN	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

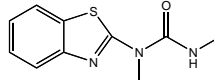


CAS 125116-23-6 **MF** C₁₇H₂₂ClN₃O **MW** 319.83
SG 1.31 g/cm³ **MP** 110-113 °C **BP** 285 °C
SOL M,A,T,H,CN,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-856N	10 mg
100 µg/mL in AcCN	P-856S-CN	1 mL
10 µg/mL in AcCN	P-856S-CN-0.1X	1 mL

Methabenzthiazuron

1-(1,3-Benzothiazol-2-yl)-1,3-dimethylurea

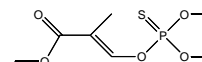


CAS 18691-97-9 **MF** C₁₀H₁₁N₃OS **MW** 221.28
PS S **SG** 1.33 g/cm³ **MP** 119-121 °C
SOL M,A,CN,EA,T,H,D,IPA

Matrix	Cat. No.	Unit
NEAT	P-563N	10 mg
100 µg/mL in MeOH	P-563S	1 mL

Methacrifos

Methyl-(E)-3-(dimethoxyphosphinothioxy)-2-methylacrylate



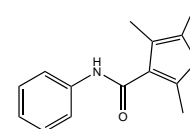
CAS 62610-77-9 **MF** C₇H₁₀O₅PS **MW** 240.21 **PS** L
SG 1.25 g/cm³ **BP** 90 °C (0.01mm Hg)
FP 69-73 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-556N	10 mg
100 µg/mL in MeOH	P-556S	1 mL

Methamidophos, see *Monitor*

Methfuroxam

2,4,5-Trimethyl-3-furanilid

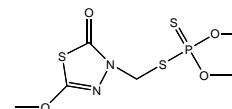


CAS 28730-17-8 **MF** C₁₄H₁₅NO₂ **MW** 229.27 **PS** S
SG 1.15 g/cm³ **SOL** A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	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** C₆H₁₁N₂O₄PS₃ **MW** 302.33 **PS** S
SG 1.51 g/cm³ **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

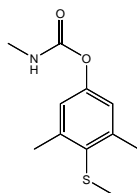
Methidathion Oxon, see *DMTP Oxon*

‡ V-Rated packaging surcharge applies for international shipments



Methiocarb

4-Methylthio-3,5-xyllyl methylcarbamate



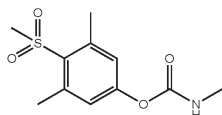
Mercaptodimethur

CAS 2032-65-7 **MF** C₁₁H₁₅NO₂S **MW** 225.31 **PS** S
SG 1.24 g/cm³ **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 MeOH	P-156S	1 mL

Methiocarb sulfone

3,5-Dimethyl-4-(methylsulfonyl)phenyl methylcarbamate

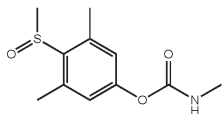


CAS 2179-25-1 **MF** C₁₁H₁₅NO₄S **MW** 257.31 **PS** S
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-570N	10 mg
100 µg/mL in AcCN	P-570S-CN	1 mL

Methiocarb sulfoxide

3,5-Dimethyl-4-(methylsulfinyl)phenyl methylcarbamate

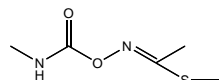


CAS 2635-10-1 **MF** C₁₁H₁₅NO₃S **MW** 241.31 **PS** S
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-650N	10 mg
100 µg/mL in MeOH	P-650S	1 mL

Methomyl

S-Methyl N-(methylcarbamoyloxy)thioacetimidate



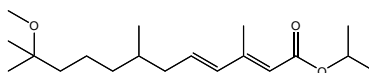
Lannate

CAS 16752-77-5 **MF** C₅H₁₀N₂O₂S **MW** 162.21 **PS** S
SG 1.29 g/cm³ **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

Methoprene

Isopropyl (E,E)-(RS)-11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate

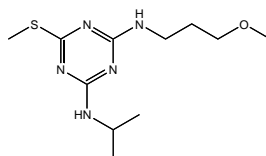


CAS 40596-69-8 **MF** C₁₉H₃₄O₃ **MW** 310.47 **PS** L
SG 0.921 g/cm³ **BP** 100 °C (0.05mm Hg) **FP** 96 °C
SOL M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-157N	10 mg
100 µg/mL in MeOH	P-157S	1 mL

Methoprotryne

N-Isopropyl-N'-(3-methoxypropyl)-6-(methylsulfonyl)-1,3,5-triazine-2,4-diamine



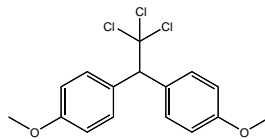
CAS 841-06-5 **MF** C₁₁H₁₇N₅OS **MW** 271.38 **PS** S
SG 1.19 g/cm³ **MP** 68-70 °C **FP** >100 °C
SOL M,A,CN,EA,D,H,T

Matrix	Cat. No.	Unit
NEAT	P-564N	10 mg
100 µg/mL in MeOH	P-564S	1 mL

Methoxone, see MCPA acid

Methoxychlor

1,1'-(2,2,2-Trichloroethylidene)bis(4-methoxybenzene)



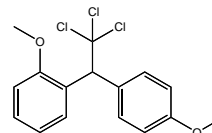
p,p'-Methoxychlor, *DMDT*

CAS 72-43-5 **MF** C₁₆H₁₅Cl₃O₂ **MW** 345.65 **PS** S
SG 1.41 g/cm³ **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



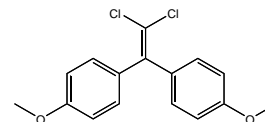
CAS 30667-99-3 **MF** C₁₆H₁₅Cl₃O₂ **MW** 345.65 **PS** S
SG 1.41 g/cm³ **SOL** M,A,D,H,CN,TP,EA

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, see *Methoxychlor*

p,p'-Methoxychlor-olefin

1,1'-(Dichloroethylenidene)bis(4-methoxybenzene)

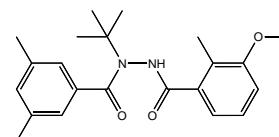


CAS 2132-70-9 **MF** C₁₆H₁₄Cl₂O₂ **MW** 309.19 **PS** S
SG 1.41 g/cm³ **MP** 106-108 °C **SOL** M,TP

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** C₂₂H₂₈N₂O₃ **MW** 368.47
PS S **SG** 0.63 g/cm³ **MP** 185 °C
SOL M,CN,A,D,EA,DMSO

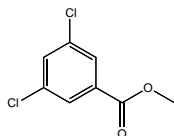
Matrix	Cat. No.	Unit
NEAT	P-857N	10 mg
100 µg/mL in AcCN	P-857S-CN	1 mL

p-Methoxynitrobenzene, see *4-Nitroanisole*



Methyl-3,5-dichlorobenzoate

3,5-Dichlorobenzoic acid methyl ester



CAS 2905-67-1 MF C₈H₆Cl₂O₂ MW 205.04 PS S
SG 1.45 g/cm³ MP 58-60 °C SOL M

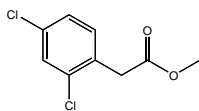
Matrix	Cat. No.	Unit
NEAT	P-247N	10 mg
100 µg/mL in MeOH	P-247S	1 mL
1000 µg/mL in MeOH	P-247S-10X	1 mL

Methyl 2,4-Dichlorophenoxyacetate, see 2,4-D Methyl ester

Methyl 2,6-dichlorophenoxyacetate, see 2,6-D methyl ester

Methyl-2,4-dichlorophenylacetate

2,4-Dichlorophenylacetic acid methyl ester

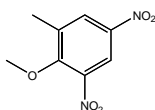


DCAA methyl ester

CAS 55954-23-9 MF C₉H₆Cl₂O₂ MW 219.06 S L
SG 1.32 g/cm³ 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

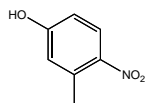


CAS 29027-13-2 MF C₈H₈N₂O₅ MW 212.16 SOL M

Matrix	Cat. No.	Unit
NEAT	P-611N	10 mg
100 µg/mL in MeOH	P-611S	1 mL

3-Methyl-4-nitrophenol

4-Nitro-3-cresol

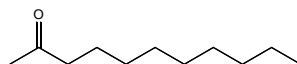


CAS 2581-34-2 MF C₇H₇NO₃ MW 153.14 PS S
SG 1.32 g/cm³ MP 125-130 °C BP 200 °C FP 110 °C
SOL M,A

Matrix	Cat. No.	Unit
NEAT	P-509N	10 mg
100 µg/mL in MeOH	P-509S	1 mL

Methyl nonyl ketone

2-Undecanone

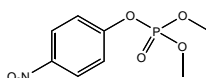


CAS 112-12-9 MF C₁₁H₂₂O MW 170.29 PS L
SG 0.82 g/cm³ BP 236 °C FP 89 °C
SOL A,M,IPA,D

Matrix	Cat. No.	Unit
NEAT	P-415N	10 mg
100 µg/mL in MeOH	P-415S	1 mL
100 µg/mL in AcCN	P-415S-CN	1 mL

Methyl paraoxon

Dimethyl-p-nitrophenylphosphate



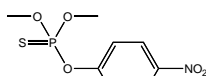
Paraoxon-methyl

CAS 950-35-6 MF C₈H₁₀NO₆P MW 247.14 PS L
SG 1.38 g/cm³ 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 C₈H₁₀NO₃PS MW 263.33 PS S
SG 1.38 g/cm³ 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 Hexane	P-065S-H-10X	1 mL

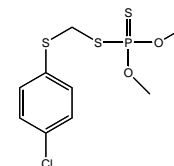
Methyl (2,4,5-trichlorophenoxy)acetate, see 2,4,5-T methyl ester

Methyl 3,5,6-Trichloro-2-pyridyloxyacetate, see Triclopyr methyl ester

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

Methyl trithion

S-[[[4-Chlorophenyl)sulfanyl]methyl] O,O-dimethyl phosphorodithioate



Carbophenothion methyl

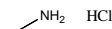
CAS 953-17-3 MF C₉H₁₂ClO₂PS₃ MW 314.81 PS L
SG 1.4 g/cm³ BP 371 °C FP 178 °C SOL M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-652S	1 mL

Methyl viologen dichloride hydrate, see Paraquat dichloride tetrahydrate

Methylamine hydrochloride

Methylammonium chloride

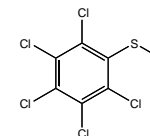


CAS 593-51-1 MF CH₅N • HCl MW 67.52 PS S
MP 231-233 °C BP 225-230 °C (15mm Hg)
FP 209 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-624N	10 mg
100 µg/mL in MeOH	P-624S	1 mL

Methylpentachlorophenyl sulfide

Pentachloroanisole



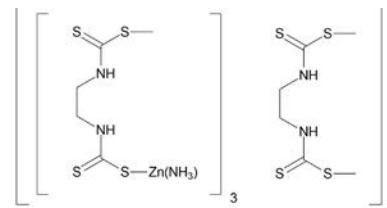
MPCPS

CAS 1825-19-0 MF C₇H₃Cl₅S MW 296.43 PS S
SG 1.68 g/cm³ 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

Metiram

Ethylenebis(dithiocarbamic acid), polymer with ammonia complex of zinc EBDC



CAS 9006-42-2 MF [C₁₆H₃₃N₁₁S₁₆Zn₃]_x MW (1088.6)_x PS S SG 1.86 g/cm³
MP 162-165 °C SOL M,A,T,EA

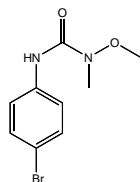
Matrix	Cat. No.	Unit
NEAT	P-416N	10 mg

Metizolin, see Benazolin



Metobromuron

3-(4-Bromophenyl)-1-methoxy-1-methylurea

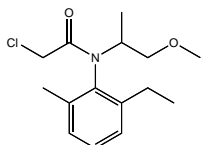


CAS 3060-89-7 MF C₉H₁₁BrN₂O₂ MW 259.1 PS S
SG 1.6 g/cm³ MP 95-96 °C
SOL M,A,CN,EA,H,D,W

Matrix	Cat. No.	Unit
NEAT	P-436N	10 mg
100 µg/mL in MeOH	P-436S	1 mL

Metolachlor

2-Chloro-6'-ethyl-N-(2-methoxy-1-methylethyl)acet-o-toluidide

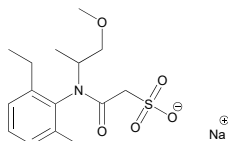


CAS 51218-45-2 MF C₁₆H₂₂ClNO₂ MW 283.8 PS L
SG 1.12 g/cm³ BP 100 °C (0.001 mm Hg)
FP >100 °C SOL M,A,D,H,T,CN,TP,EA,W

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

Metolachlor ESA sodium salt

Sodium 2-[(2-ethyl-6-methylphenyl)(2-methoxy-1-methylethyl)amino]-2-oxo-ethanesulfonate

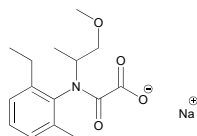


CAS 947601-85-6 MF C₁₅H₂₂NNaO₅S MW 351.39
PS S SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-915S	1 mL

Metolachlor OA sodium salt

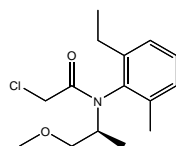
Sodium [(2-ethyl-6-methylphenyl)(2-methoxy-1-methylethyl)amino]-oxo-acetate



CAS N/A MF C₁₅H₂₀NO₄Na 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

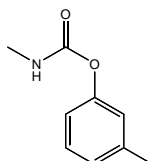


CAS 87392-12-9 MF C₁₆H₂₂ClNO₂ MW 283.79
PS L SG 1.12 g/cm³ BP 334 °C
SOL M,A,T,H,EA,W,D

Matrix	Cat. No.	Unit
NEAT	P-1013N	10 mg
100 µg/mL in MeOH	P-1013S	1 mL

Metolcarb

m-Tolyl methylcarbamate



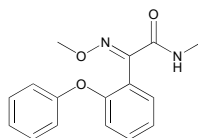
MTMC

CAS 1129-41-5 MF C₉H₁₁NO₂ MW 165.2 PS S
SG 1.08 g/cm³ 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

(E)-Metominostrobin

(E)-2-(Methoxyimino)-N-methyl-2-(2-phenoxyphenyl)acetamide

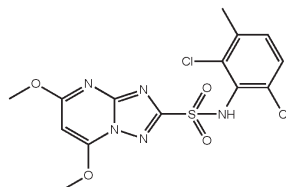


CAS 133408-50-1 MF C₁₆H₁₆N₂O₃ MW 284.32
PS S MP 86-90 °C SOL CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1164S-CN	1 mL
1000 µg/mL in AcCN	P-1164S-CN-10X	1 mL

Metosulam

2',6'-Dichloro-5,7-dimethoxy-3'-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide

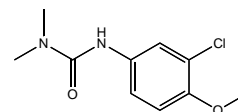


CAS 139528-85-1 MF C₁₄H₁₃Cl₂N₅O₄S MW 418.26
PS S SG 1.49 g/cm³ MP 211 °C
SOL A,EA,M,T,CN,W,D,H

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-900S-CN	1 mL

Metoxuron

3-(3-Chloro-4-methoxyphenyl)-1,1-dimethylurea

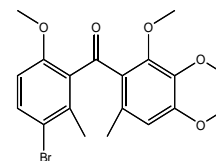


CAS 19937-59-8 MF C₁₀H₁₃ClN₂O₂ MW 228.7 PS S
SG 0.8 g/cm³ MP 126-127 °C SOL M,A,CN,W

Matrix	Cat. No.	Unit
NEAT	P-437N	10 mg
100 µg/mL in MeOH	P-437S	1 mL

Metrafenone

3'-Bromo-2,3,4,6'-tetramethoxy-2',6-dimethylbenzophenone

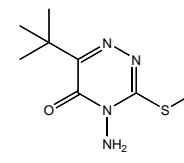


CAS 220899-03-6 MF C₁₉H₂₁BrO₅ MW 409.27
PS S SG 1.45 g/cm³ MP 100 °C
BP Decomp. 310 °C SOL M,A,CN,D,EA,T,H

Matrix	Cat. No.	Unit
NEAT	P-1032N	10 mg
100 µg/mL in AcCN	P-1032S-CN	1 mL

Metribuzin

4-Amino-6-tert-butyl-3-methylthio-1,2,4-triazin-5(4H)-one



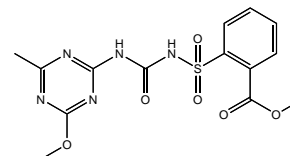
Sencor

CAS 21087-64-9 MF C₈H₁₄N₄OS MW 214.32 PS S
SG 1.31 g/cm³ MP 126 °C BP 132 °C (2 Pa)
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)carbamoylsulfamoylbenzoate



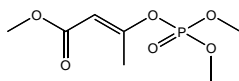
CAS 74223-64-6 MF C₁₄H₁₅N₅O₅S MW 381.37
PS S SG 1.46 g/cm³ MP 158 °C
SOL M,A,T,H,W,D,EA

Matrix	Cat. No.	Unit
NEAT	P-463N	10 mg
100 µg/mL in MeOH	P-463S	1 mL



Mevinphos

Methyl 3-((dimethoxyphosphoryl)oxy)-2-butenoate



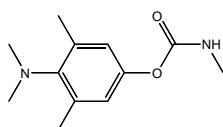
Phosdrin

CAS 7786-34-7 **MF** C₇H₁₃O₆P **MW** 224.15 **PS** L
SG 1.23 g/cm³ **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 Hexane	P-074S-H-10X	1 mL

Mexacarbate

4-Dimethylamino-3,5-xyllyl methylcarbamate



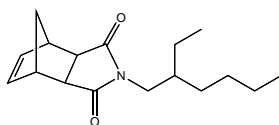
Zectran

CAS 315-18-4 **MF** C₁₂H₁₈N₂O₂ **MW** 222.32 **PS** S
SG 1.08 g/cm³ **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



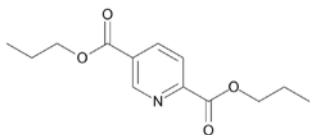
ENT 8184

CAS 113-48-4 **MF** C₁₇H₂₅NO₂ **MW** 275.43 **PS** L
SG 1.04 g/cm³ **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

MGK-326

Dipropyl 2,5-pyridine-2,5-dicarboxylate



Dipropyl isocinchomerate

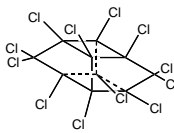
CAS 136-45-8 **MF** C₁₅H₁₇NO₄ **MW** 251.28 **PS** L
SG 1.12 g/cm³ **BP** 278 °C **FP** 93 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-342N	10 mg
100 µg/mL in MeOH	P-342S	1 mL

MIPC, see *Isoprocarb*

Mirex

Dodecachloropentacyclo[5.3.0.0.2,6.0.3,9.0.4,8]decane



Dechlorane

CAS 2385-85-5 **MF** C₁₀Cl₁₂ **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

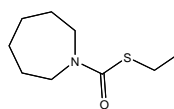
Mitotane, see *o,p'-DDD*

Mocap, see *Ethoprop*

Molinat, see *Molinat*

Molinat

S-Ethyl azepan-1-carbothioate



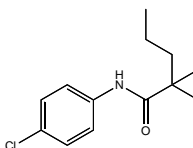
Molinat

CAS 2212-67-1 **MF** C₉H₁₇NOS **MW** 187.3 **PS** L
SG 1.06 g/cm³ **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

Monalide

4'-Chloro-2,2-dimethylvaleraniide



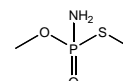
CAS 7287-36-7 **MF** C₁₃H₁₉ClNO **MW** 239.74 **PS** S
SG 1.10 g/cm³ **MP** 87-88 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-737N	10 mg
100 µg/mL in MeOH	P-737S	1 mL

Moncut™, see *Flutolanil*

Monitor

O,S-Dimethyl phosphoramidothioate



Methamidophos, Tamaron

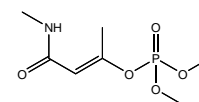
CAS 10265-92-6 **MF** C₂H₈NO₂PS **MW** 141.13 **PS** S
SG 1.31 g/cm³ **MP** 45 °C **FP** 93 °C
SOL M,A,D,H,T,CN,TP,EA,W,IPA

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

Monocron, see *Monocrotophos*

Monocrotophos

Dimethyl (2E)-4-(methylamino)-4-oxo-2-buten-2-yl phosphate



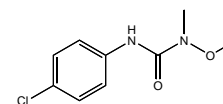
Azodrin, Monocron, Nunacton

CAS 6923-22-4 **MF** C₇H₁₄NO₂P **MW** 223.16 **PS** S
SG 1.22 g/cm³ **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

Monolinuron

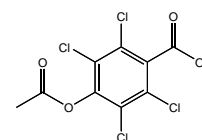
3-(4-Chlorophenyl)-1-methoxy-1-methylurea



CAS 1746-81-2 **MF** C₉H₁₁ClN₂O₂ **MW** 214.65 **PS** S
SG 1.30 g/cm³ **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

Monomethyltetrachloroterephthalate



Dacthal monoacid, DCPA monoacid

CAS 887-54-7 **MF** C₉H₄Cl₄O₄ **MW** 317.94 **PS** S
SG 1.69 g/cm³ **MP** 174 °C **SOL** A,CN

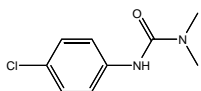
Matrix	Cat. No.	Unit
NEAT	P-707N	10 mg
100 µg/mL in Acetone	P-707S-A	1 mL



Pesticide Standards

Monuron

3-(4-Chlorophenyl)-1,1-dimethylurea

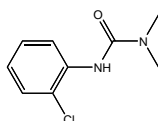


CAS 150-68-5 **MF** C₉H₁₁ClN₂O **MW** 198.65 **PS** S
SG 1.27 g/cm³ **MP** 174 °C **SOL** M,A,CN

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

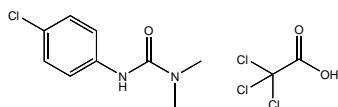


CAS 582-44-5 **MF** C₉H₁₁ClN₂O **MW** 198.65 **PS** S
MP 89-90 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-633N	10 mg
100 µg/mL in MeOH	P-633S	1 mL

Monuron TCA

3-(4-Chlorophenyl)-1,1-dimethylurea trichloroacetate salt



Monuron trichloroacetate

CAS 140-41-0 **MF** C₉HCl₃O₂·C₉H₁₁ClN₂O
MW 362.04 **PS** S **MP** 78-81 °C **SOL** M,CN

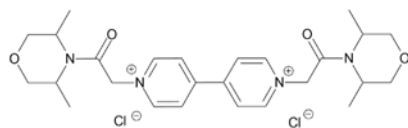
Matrix	Cat. No.	Unit
NEAT	P-034N	10 mg
100 µg/mL in MeOH	P-034S	1 mL

Monuron trichloroacetate, see Monuron TCA

Morestan, see Chinomethionate

Morfamquat dichloride

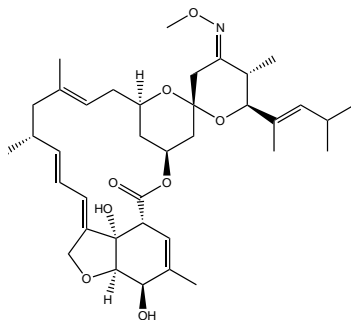
1,1'-bis[2-(3,5-Dimethyl-4-morpholinyl)-2-oxoethyl]-4,4'-bipyridinium dichloride



CAS 4636-83-3 **MF** C₂₆H₃₆Cl₂N₄O₄ **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** C₃₇H₅₃NO₈ **MW** 639.82
PS S **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-961S-CN	1 mL

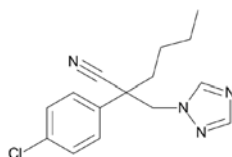
MPCPS, see Methylpentachlorophenyl sulfide

MSMA, see Bueno

MTMC, see Metolcarb

Myclobutanil

alpha-Butyl-alpha-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile



Systhane

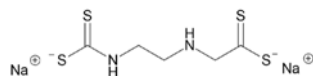
CAS 88671-89-0 **MF** C₁₅H₁₇ClN₃ **MW** 288.78 **PS** S
SG 1.2 g/cm³ **MP** 63-68 °C **BP** 202-208 °C(1mm Hg)
FP >100 °C **SOL** M,A,H,T,CN,EA,W

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

N-Serve, see Nitrapyrin

Nabam

Ethylene bisdithiocarbamate, disodium



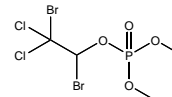
Namab

CAS 142-59-6 **MF** C₄H₆N₂Na₂S₄ **MW** 256.35 **PS** S
SG 1.14 g/cm³ **MP** Decomp. **SOL** A,M,EA,W

Matrix	Cat. No.	Unit
NEAT	P-383N	10 mg
100 µg/mL in MeOH	P-383S	1 mL

Naled

1,2-Dibromo-2,2-dichloroethyl dimethyl phosphate



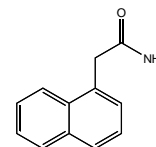
Dibrom

CAS 300-76-5 **MF** C₄H₇Br₂Cl₂O₄P **MW** 380.78
PS L **SG** 1.96 g/cm³ **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 MeOH	P-159S	1 mL
1000 µg/mL in Hexane	P-159S-H-10X	1 mL

Namab, see Nabam

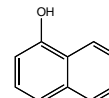
1-Naphthalene acetamide



CAS 86-86-2 **MF** C₁₂H₁₁NO **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

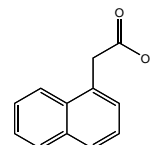
1-Naphthol



CAS 90-15-3 **MF** C₁₀H₈O **MW** 144.17 **PS** S
SG 1.1 g/cm³ **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

1-Naphthylacetic acid



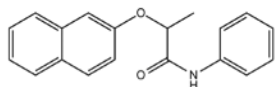
CAS 86-87-3 **MF** C₁₂H₁₀O₂ **MW** 186.21 **PS** S
MP 134-135 °C **SOL** M,A,W

Matrix	Cat. No.	Unit
NEAT	P-461N	10 mg
100 µg/mL in MeOH	P-461S	1 mL



Naproanilide

2-(2-Naphthoxy)-N-phenylpropionamide

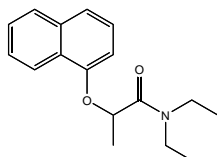


CAS 52570-16-8 **MF** C₁₉H₁₇NO₂ **MW** 291.34 **PS** S
SG 1.26 g/cm³ **MP** 128 °C **SOL** A,T,CN

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** C₁₇H₂₁NO₂ **MW** 271.35
PS S **SG** 1.08 g/cm³ **MP** 75-76 °C **BP** 317 °C
FP >104 °C **SOL** M,A,D,H,CN,TP,EA

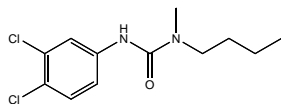
Matrix	Cat. No.	Unit
NEAT	P-179N	10 mg
100 µg/mL in MeOH	P-179S	1 mL

Naptalam, see Alanap

Navadel, see Dioxathion

Neburon

1-Butyl-3-(3,4-Dichlorophenyl)-1-methylurea



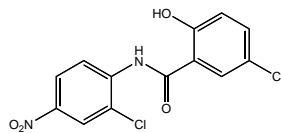
CAS 555-37-3 **MF** C₁₂H₁₆Cl₂N₂O **MW** 275.17 **PS** S
SG 1.25 g/cm³ **MP** 102-103 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-041N	10 mg
100 µg/mL in MeOH	P-041S	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

Nicosamide

2'-5-Dichloro-4'-nitrosalicylanilide



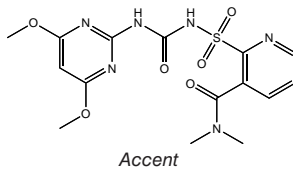
CAS 50-65-7 **MF** C₁₃H₈Cl₂N₂O₄ **MW** 327.12 **PS** S
SG 1.6 g/cm³ **MP** 230 °C **BP** 424 °C **FP** 210 °C
SOL M

Matrix	Cat. No.	Unit
NEAT	P-160N	10 mg
100 µg/mL in MeOH	P-160S	1 mL

Nicobifen, see Boscalid

Nicosulfuron

2-(4,6-Dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-N,N-dimethylnicotinamide



Accent

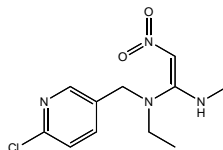
CAS 111991-09-4 **MF** C₁₅H₁₈N₆O₆S **MW** 410.41
PS S **SG** 0.31 g/cm³ **MP** 141-144 °C
SOL A,D,M,EA,CN,T

Matrix	Cat. No.	Unit
NEAT	P-591N	10 mg
100 µg/mL in AcCN	P-591S-CN	1 mL

Nissorun, see Hexythiazox

Nitenpyram

(E)-N-(6-Chloro-3-pyridylmethyl)-N-ethyl-N'-methyl-2-nitrovinylidenediamine

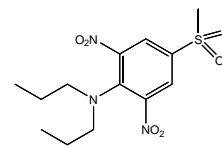


CAS 120738-89-8 **MF** C₁₁H₁₅ClN₄O₂ **MW** 270.72
PS S **SG** 1.26 g/cm³ **MP** 82 °C **FP** >70 °C
SOL M,A,CN,W,D,EA,T

Matrix	Cat. No.	Unit
NEAT	P-858N	10 mg
100 µg/mL in AcCN	P-858S-CN	1 mL

Nitralin

4-Methylsulphonyl-2,6-dinitro-N,N-dipropylaniline

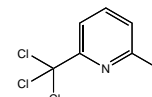


CAS 4726-14-1 **MF** C₁₃H₁₉N₃O₆S **MW** 345.37 **PS** S
SG 1.39 g/cm³ **MP** 151-152 °C **BP** Decomp. 225 °C
SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-583N	10 mg
100 µg/mL in MeOH	P-583S	1 mL

Nitrapyrin

2-Chloro-6-(trichloromethyl)pyridine



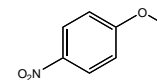
N-Serve

CAS 1929-82-4 **MF** C₆H₄Cl₄N **MW** 230.91 **PS** S
SG 1.58 g/cm³ **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

4-Nitroanisole

1-Methoxy-4-nitrobenzene



p-Methoxyntrobenzene

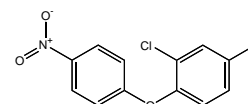
CAS 100-17-4 **MF** C₇H₇NO₃ **MW** 153.14 **PS** S
SG 1.22 g/cm³ **MP** 50-54 °C **BP** 260 °C
FP 130 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-273N	10 mg
100 µg/mL in MeOH	P-273S	1 mL

Nitrochloroform, see Chloropicrin

Nitrofen

2,4-Dichlorophenyl-4-nitrophenyl ether



Trizilin

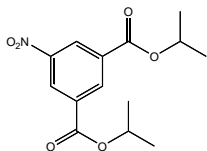
CAS 1836-75-5 **MF** C₁₂H₇Cl₂NO₃ **MW** 284.09 **PS** S
SG 1.3 g/cm³ **MP** 70-71 °C **BP** 180-190 °C (0.25mm Hg)
FP >200 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-363N	10 mg
100 µg/mL in MeOH	P-363S	1 mL



Nitrothal-isopropyl

Diisopropyl 5-nitrosophthalate

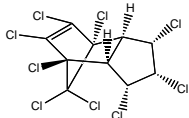


CAS 10552-74-6 **MF** C₁₄H₁₇NO₃ **MW** 295.29 **PS** S
SG 1.21 g/cm³ **MP** 65 °C **FP** >100 °C
SOL M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-695N	10 mg
100 µg/mL in MeOH	P-695S	1 mL

cis-Nonachlor

(1α,2α,3α)-1,2,3,4,5,6,7,8-Nonachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene

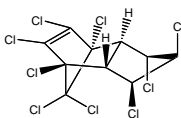


CAS 5103-73-1 **MF** C₁₀H₅Cl₉ **MW** 444.22 **PS** S
SG 1.59 g/cm³ **MP** 219 °C **SOL** M,A,D,H,T,CN,TP,EA

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

(1α,2β,3α,3a-α,4β,7β,7a-α)-1,2,3,4,5,6,7,8-Nonachloro-2,3,3a,4,7,7a-hexahydro-4,7-methano-1H-indene

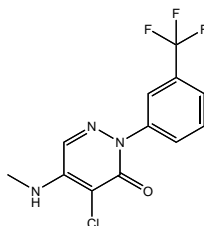


CAS 39765-80-5 **MF** C₁₀H₅Cl₉ **MW** 444.22 **PS** S
SG 1.86 g/cm³ **MP** 127 °C **BP** 451 °C
FP 229 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-184N	10 mg
100 µg/mL in MeOH	P-184S	1 mL

Norflurazon

4-Chloro-5-methylamino-2-(α,α,α-trifluoro-m-tolyl)pyridazin-3(2H)-one

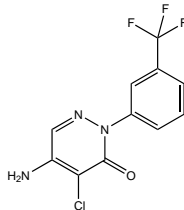


CAS 27314-13-2 **MF** C₁₂H₉ClF₃N₃O **MW** 303.67
PS S **SG** 1.45 g/cm³ **MP** 174-180 °C
SOL M,A,D,H,T,CN,EA

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

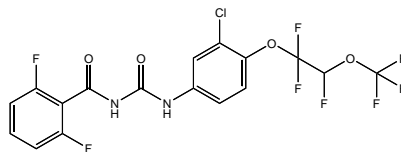


CAS 23576-24-1 **MF** C₁₁H₈ClF₃N₃O **MW** 289.64
PS S **MP** 154 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1129S-CN	1 mL

Novaluron

1-[3-Chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-3-(2,6-difluorobenzoyl)urea



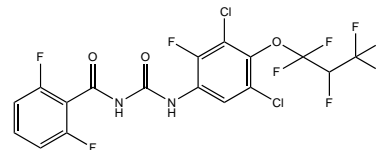
Rimon

CAS 116714-46-6 **MF** C₁₇H₁₁ClF₅N₂O₄ **MW** 492.7
SG 1.56 g/cm³ **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

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** C₁₇H₇Cl₂F₉N₂O₃ **MW** 529.14
PS S **SG** 1.88 g/cm³ **MP** 156-157 °C
BP Decomp. 250 °C **SOL** A,EA,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-967S-CN	1 mL

Nuarimol, see *Trimidal*

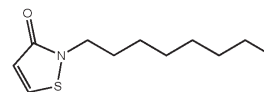
Nunacton, see *Monocrotophos*

Octachlor, see *Chlordane*

Octalene, see *Aldrin*

Octhilinone

2-Octyl-1,2-thiazol-3(2H)-one



CAS 26530-20-1 **MF** C₁₁H₁₉NOS **MW** 213.34 **PS** L
SG 1.05 g/cm³ **BP** 120 °C (0.01mm Hg)
SOL A,CN,M,T,EA,H

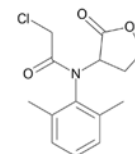
Matrix	Cat. No.	Unit
Neat	P-788N	1 mL

Off, see *Deet (Off)*

Ofunack, see *Pyridaphenthion*

Ofurace

2-Chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)-acetamide



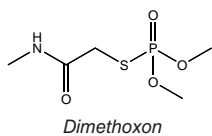
CAS 58810-48-3 **MF** C₁₄H₁₆ClNO₃ **MW** 281.73
PS S **SG** 1.37 g/cm³ **MP** 144-146 °C
SOL A,CN,TP,EA,M

Matrix	Cat. No.	Unit
10 µg/mL in TP	P-653S-TP-0.1X	1 mL



Omethoate

O,O-Dimethyl S-methylcarbamoylmethyl phosphorothioate



CAS 1113-02-6 **MF** C₅H₁₂NO₄PS **MW** 213.19 **PS** L
SG 1.32 g/cm³ **BP** Decomp. 135 °C **FP** 100 °C
SOL M,A,D,H,T,CN,TP,EA

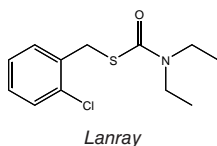
Matrix	Cat. No.	Unit
NEAT	P-121N	10 mg
100 µg/mL in MeOH	P-121S	1 mL
1000 µg/mL in MeOH	P-121S-10X	1 mL

Omite, see Propargite

OMPA, see Schradan

Orbencarb

S-2-Chlorobenzyl diethylthiocarbamate



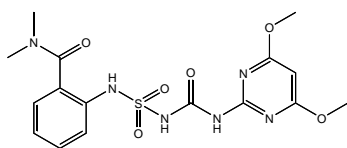
CAS 34622-58-7 **MF** C₁₂H₁₆ClNOS **MW** 257.78
PS L **SG** 1.18 g/cm³ **BP** 158 °C (1mm Hg)
SOL M,D,A,H,T

Matrix	Cat. No.	Unit
NEAT	P-433N	10 mg
100 µg/mL in MeOH	P-433S	1 mL

Orthene, see Acephate

Orthosulfamuron

1-(4,6-Dimethoxy-2-pyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)phenylsulfamoyl]urea

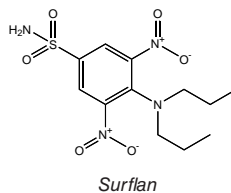


CAS 213464-77-8 **MF** C₁₆H₂₀N₆O₅S **MW** 424.43
PS S **SG** 1.48 g/cm³ **MP** 157 °C
BP Decomp. 185 °C **SOL** A,EA,M,D,W

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1045S-A	1 mL

Oryzalin

4-(Dipropylamino)-3,5-dinitrobenzenesulfonamide

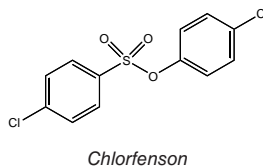


CAS 19044-88-3 **MF** C₁₂H₁₈N₄O₆S **MW** 346.36
PS S **SG** 1.20 g/cm³ **MP** 142 °C
BP Decomp. 265 °C **SOL** M,A,CN,MC,D

Matrix	Cat. No.	Unit
NEAT	P-043N	10 mg
100 µg/mL in MeOH	P-043S	1 mL
1000 µg/mL in MeOH	P-043S-10X	1 mL

Ovex

4-Chlorophenyl 4-chlorobenzenesulfonate

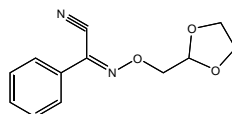


CAS 80-33-1 **MF** C₁₂H₈Cl₂O₂S **MW** 303.16 **PS** S
SG 1.46 g/cm³ **MP** 86 °C **SOL** M,A,D,CN

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

Oxabetrinil

(Z)-1,3-Dioxolan-2-ylmethoxyimino(phenyl)acetone nitrile

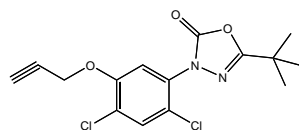


CAS 74782-23-3 **MF** C₉H₁₂N₂O₃ **MW** 232.24 **PS** S
SG 1.33 g/cm³ **MP** 78 °C **SOL** A,T,M,H,D

Matrix	Cat. No.	Unit
NEAT	P-995N	10 mg
100 µg/mL in MeOH	P-995S	1 mL

Oxadiargyl

3-[2,4-Dichloro-5-(2-propyn-1-yloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one

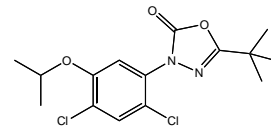


CAS 39807-15-3 **MF** C₁₅H₁₄Cl₂N₂O₃ **MW** 341.19
PS S **SG** 1.41 g/cm³ **MP** 131 °C **BP** Decomp.
SOL A,EA,T,M,CN,D

Matrix	Cat. No.	Unit
NEAT	P-1031N	10 mg
100 µg/mL in AcCN	P-1031S-CN	1 mL

Oxadiazon

2-tert-Butyl-3-(2,4-dichloro-5-isopropoxyphenyl)-1,3,4-oxadiazol-2(3H)-one

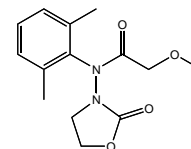


CAS 19666-30-9 **MF** C₁₅H₁₈Cl₂N₂O₃ **MW** 345.22
PS S **SG** 1.31 g/cm³ **MP** 87 °C **BP** 282 °C
FP 206 °C **SOL** M,A,D,H,CN,TP,EA,T

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

Oxadixyl

2-Methoxy-N-(2-oxo-1,3-oxazolidin-3-yl)acet-2',6'-xylylidide

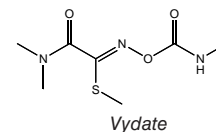


CAS 77732-09-3 **MF** C₁₄H₁₈N₂O₄ **MW** 278.3 **PS** S
SG 0.5 g/cm³ **MP** 104 °C **FP** >100 °C
SOL M,A,T,CN,EA,DMSO,W

Matrix	Cat. No.	Unit
NEAT	P-560N	10 mg
100 µg/mL in MeOH	P-560S	1 mL

Oxamyl

S-Methyl N,N'-dimethyl-N-(methylcarbamoyloxy)-1-thio-oxamidate

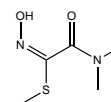


CAS 23135-22-0 **MF** C₇H₁₃N₃O₃S **MW** 219.26
PS S **SG** 0.97 g/cm³ **MP** 108-110 °C
SOL M,A,D,H,CN,W,T

Matrix	Cat. No.	Unit
NEAT	P-161N	10 mg
100 µg/mL in MeOH	P-161S	1 mL

Oxamyl oxime

Methyl 2-(dimethylamino)-N-hydroxy-2-oxo-ethaneimidothioate



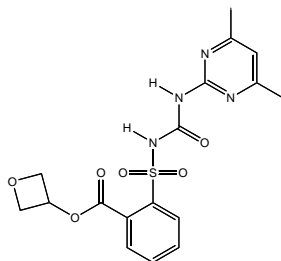
CAS 30558-43-1 **MF** C₅H₁₀N₂O₂S **MW** 162.21
PS S **SG** 1.20 g/cm³ **MP** 174-179 °C **SOL** M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1138S-CN	1 mL



Oxasulfuron

Oxetan-3-yl-2-[(4,6-dimethylpyrimidin-2-yl) carbamoylsulfamoyl]benzoate



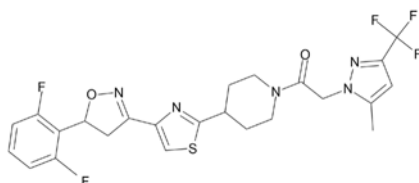
Dynam

CAS 144651-06-9 **MF** C₁₇H₁₈N₄O₅S **MW** 406.41
PS S **SG** 1.49 g/cm³ **MP** 158 °C
SOL M,A,T,H,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-859N	10 mg
100 µg/mL in AcCN	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



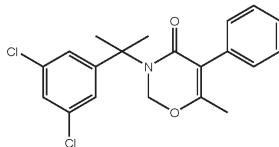
Zorvec

CAS 1003318-67-9 **MF** C₂₄H₂₂F₅N₅O₂S **MW** 539.53
PS S **MP** 143-145 °C **BP** Decomp. 290 °C
SOL A,D,W,M

Matrix	Cat. No.	Unit
NEAT	P-1379N	10 mg
100 µg/mL in MeOH	P-1379S	1 mL

Oxaziclomefone

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** C₂₀H₁₉Cl₂NO₂ **MW** 376.28
PS S **MP** 150 °C **FP** 267 °C **SOL** M,CN

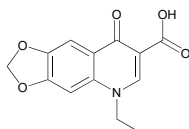
Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1066S	1 mL

Oxazolidine, see Furilazole

2-Oxoimidazolidine, see 2-Imidazolidone

Oxolinic acid

5,8-Dihydro-5-ethyl-8-oxo-1,3-dioxolo[4,5-g]quino-line-7-carboxylic acid

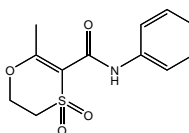


CAS 14698-29-4 **MF** C₁₃H₁₁NO₅ **MW** 261.23 **PS** S
SG 1.55 g/cm³ **MP** 314-316 °C **BP** 473 °C
FP >110 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-1204N	10 mg
100 µg/mL in AcCN	P-1204S-CN	1 mL

Oxycarboxin

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



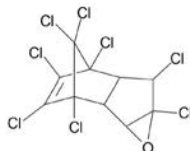
CAS 5259-88-1 **MF** C₁₂H₁₃NO₂S **MW** 267.3 **PS** S
SG 1.41 g/cm³ **MP** 120-121 °C **FP** 219 °C
SOL M,CN,A,H,W

Matrix	Cat. No.	Unit
NEAT	P-391N	10 mg
100 µg/mL in MeOH	P-391S	1 mL

Oxychlordane, see Oxychlordane Isomer

Oxychlordane Isomer

1,2,4,5,6,7,8,8-Octachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan



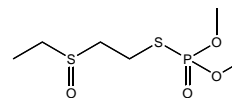
Oxychlordane

CAS 27304-13-8 **MF** C₁₀H₄Cl₈O **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

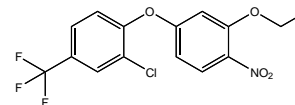
CAS 301-12-2 **MF** C₆H₁₅O₃PS₂ **MW** 246.3 **PS** L
SG 1.28 g/cm³ **BP** 106 °C (0.01mm Hg)
SOL M,A,CN,H,T,W

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-290S	1 mL

Oxydisulfoton, see Disulfoton sulfoxide

Oxyfluorfen

2-Chloro-alpha,alpha,alpha-trifluoro-p-tolyl 3-ethoxy-4-nitrophenyl ether



CAS 42874-03-3 **MF** C₁₅H₁₁ClF₃NO₄ **MW** 361.7
PS S **SG** 1.35 g/cm³ **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

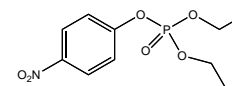
Oxythioquinox, see Chinomethionate

Paclobutrazol, see Bonzi

Pano-ram, see Fenfuram

Paraoxon

O,O-Diethyl O-p-nitrophenyl phosphate



Paraoxon-ethyl, Parathion oxon

CAS 311-45-5 **MF** C₁₀H₁₄NO₆P **MW** 275.2 **PS** L
SG 1.27 g/cm³ **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 MeOH	P-453S	1 mL
1000 µg/mL in MeOH	P-453S-10X	1 mL
100 µg/mL in Isooctane	P-453S-TP	1 mL

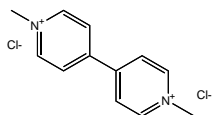
Paraoxon-ethyl, see Paraoxon

Paraoxon-methyl, see Methyl paraoxon



Paraquat dichloride tetrahydrate

1,1'-Dimethyl-4,4'-bipyridinium dichloride tetrahydrate



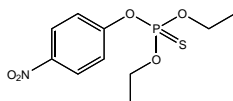
Methyl viologen dichloride hydrate

CAS 1910-42-5 **MF** C₁₂H₁₄N₂+2Cl **MW** 257.16
(anhydrous base) **PS** S **SG** 1.25 g/cm³
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



Ethyl parathion, Thiophos

CAS 56-38-2 **MF** C₁₀H₁₄NO₃PS **MW** 291.26 **PS** L
SG 1.26 g/cm³ **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 Hexane	P-070S-H-10X	1 mL

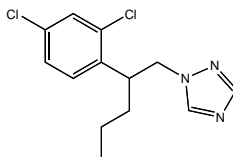
Parathion oxon, see Paraoxon

PCA, see Pyrazon

Pebulate, see Tillam

Penconazole

1-[2-(2,4-Dichlorophenyl)pentyl]-1H-1,2,4-triazole

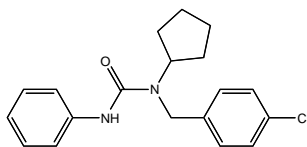


CAS 66246-88-6 **MF** C₁₃H₁₅Cl₂N₃ **MW** 284.18 **PS** S
SG 1.30 g/cm³ **MP** 58-60 °C **BP** >360 °C
FP 100 °C **SOL** M,A,H,T,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-450N	10 mg
100 µg/mL in MeOH	P-450S	1 mL

Pencycuron

1-(4-Chlorobenzyl)-l-cyclopentyl-3-phenylurea

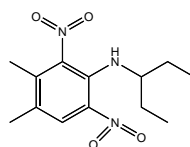


CAS 66063-05-6 **MF** C₁₉H₂₁ClN₂O **MW** 328.84
PS S **SG** 1.22 g/cm³ **MP** 129 °C **BP** 286 °C
SOL M,A,CN,EA,D

Matrix	Cat. No.	Unit
NEAT	P-358N	10 mg
100 µg/mL in MeOH	P-358S	1 mL

Pendimethalin

N-(1-Ethylpropyl)-2,6-dinitro-3,4-xylidine



Penoxalin, Prowl

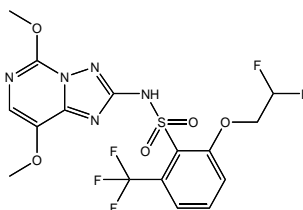
CAS 40487-42-1 **MF** C₁₃H₁₉N₃O₄ **MW** 281.31 **PS** S
SG 1.19 g/cm³ **MP** 54-58 °C
SOL M,A,D,H,T,CN,TP,EA

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

Penoxalin, see Pendimethalin

Penoxsulam

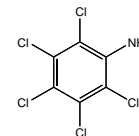
3-(2,2-Difluoroethoxy)-N-(5,8-dimethoxy[1,2,4]triazolo[1,5-c]pyrimidin-2-yl)-a,a-trifluorotoluene-2-sulfonamide



CAS 219714-96-2 **MF** C₁₆H₁₄F₅N₅O₅ **MW** 483.37
PS S **SG** 1.61 g/cm³ **MP** 212 °C
BP Decomp. 214 °C **SOL** A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1046S	1 mL

Pentachloroaniline



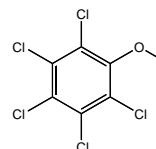
2,3,4,5,6-Pentachlorobenzamine

CAS 527-20-8 **MF** C₆H₂Cl₅N **MW** 265.35 **PS** S
SG 1.75 g/cm³ **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 AcCN	P-875S-CN	1 mL

Pentachloroanisole

Pentachlorophenol methyl ether

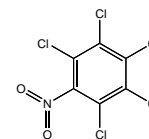


CAS 1825-21-4 **MF** C₇H₃Cl₅O **MW** 280.36 **PS** S
SG 1.62 g/cm³ **MP** 102-104 °C
SOL M,A,D,H,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-199N	10 mg
100 µg/mL in MeOH	P-199S	1 mL

2,3,4,5,6-Pentachlorobenzamine, see Pentachloroaniline

Pentachloronitrobenzene



Folosan, Quintozene

CAS 82-68-8 **MF** C₆Cl₅NO₂ **MW** 295.33 **PS** S
SG 1.72 g/cm³ **MP** 140-143 °C **BP** 328 °C
SOL M,A,D,H,CN,EA,T

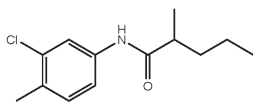
Matrix	Cat. No.	Unit
NEAT	P-113N	10 mg
100 µg/mL in MeOH	P-113S	1 mL



Pesticide Standards

Pentachlor

N-(3-Chloro-4-methylphenyl)-2-methylpentanamide



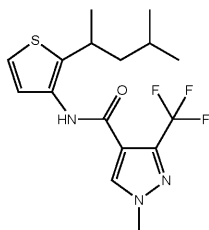
CAS 2307-68-8 **MF** C₁₃H₁₆ClNO **MW** 239.74 **PS** S
SG 1.11 g/cm³ **MP** 85-86 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1067N	10 mg
100 µg/mL in MeOH	P-1067S	1 mL

Pentanoic acid, phenyl ester, see Phenyl Valerate

Penthiopyrad

N-[2-(1,3-Dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)-1H-pyrazole-4-carboxamide

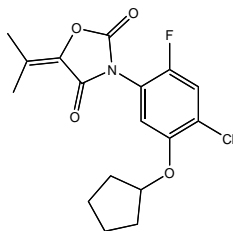


CAS 183675-82-3 **MF** C₁₆H₂₀F₃N₃SO **MW** 359.41
PS S **MP** 108-109 °C **BP** Decomp. 314 °C
SOL M,EA,T,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1131S-CN	1 mL

Pentoxazone

3-(4-Chloro-5-cyclopentyloxy-2-fluorophenyl)-5-isopropylidene-1,3-oxazolindione-2,4-dione



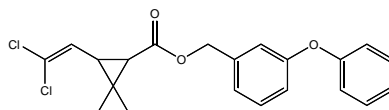
CAS 110956-75-7 **MF** C₁₇H₁₇ClFNO₄ **MW** 353.77
PS S **SG** 1.42 g/cm³ **MP** 104 °C **SOL** M,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1051S-0.1X	1 mL

Percolate, see Imidan

Permethrin

3-Phenoxybenzyl (1RS)-cis,trans-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate

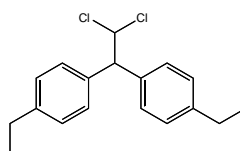


CAS 52645-53-1 **MF** C₂₁H₂₀Cl₂O₃ **MW** 391.29
PS L **SG** 1.19-1.27 g/cm³ **BP** 200 °C (0.1mm Hg)
FP >100 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-128N	10 mg
100 µg/mL in MeOH	P-128S	1 mL

Pertane

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



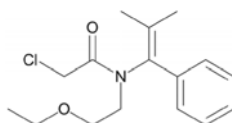
Ethylan

CAS 72-56-0 **MF** C₁₈H₂₀Cl₂ **MW** 307.26 **PS** S
SG 1.13 g/cm³ **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** C₁₆H₂₀ClNO₂ **MW** 295.80
PS S **SG** 1.19 g/cm³ **MP** 37-38 °C **FP** 182 °C
SOL H,M,EA,A,W

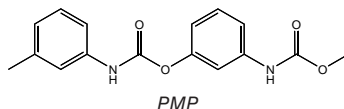
Matrix	Cat. No.	Unit
NEAT	P-1047N	10 mg
100 µg/mL in MeOH	P-1047S	1 mL

Phenamiphos, see Fenamiphos

Phencapton, see Carbophenothion

Phenmedipham

Methyl 3-(3-methylcarbaniloyloxy)carbanilate

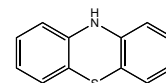


PMP

CAS 13684-63-4 **MF** C₁₆H₁₆N₂O₄ **MW** 300.31 **PS** S
SG 0.54 g/cm³ **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

Phenothiazine



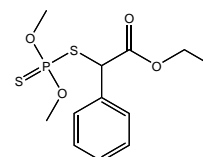
CAS 92-84-2 **MF** C₁₂H₉NS **MW** 199.27 **PS** S
SG 1.34 g/cm³ **MP** 182-187 °C **BP** 371 °C
FP 202 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-579N	10 mg
100 µg/mL in MeOH	P-579S	1 mL

d-Phenothrin, see Sumithrin

Penthoate

S-alpha-Ethoxycarbonylbenzyl O,O-dimethyl phosphorodithioate

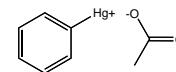


CAS 2597-03-7 **MF** C₁₂H₁₇O₄PS₂ **MW** 320.37 **PS** L
SG 1.23 g/cm³ **FP** 165-170 °C
SOL M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-476N	10 mg
100 µg/mL in MeOH	P-476S	1 mL

Phenyl mercury acetate

(Acetato-O)phenylmercury (9Cl)



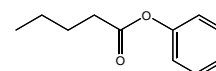
CAS 62-38-4 **MF** C₆H₅HgO₂ **MW** 336.74 **PS** S
MP 148-151 °C **FP** 302 °C **SOL** M,A,W

Matrix	Cat. No.	Unit
NEAT	P-393N	10 mg
100 µg/mL in MeOH	P-393S	1 mL

Phenyl pentanoate, see Phenyl Valerate

Phenyl valerate

Valeric acid, phenyl ester



Pentanoic acid, phenyl ester, Phenyl pentanoate

CAS 20115-23-5 **MF** C₁₁H₁₄O₂ **MW** 178.23 **PS** L
SG 1.01 g/cm³ **BP** 250 °C **FP** 95 °C **SOL** M

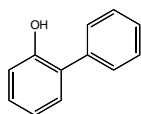
Matrix	Cat. No.	Unit
NEAT	P-734N	10 mg
100 µg/mL in MeOH	P-734S	1 mL

2-Phenylphenol, see o-Phenylphenol



o-Phenylphenol

2-Hydroxybiphenyl



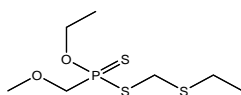
2-Phenylphenol

CAS 90-43-7 **MF** C₁₂H₁₀O **MW** 170.21 **PS** S
SG 1.24 g/cm³ **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



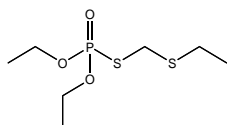
Thimet

CAS 298-02-2 **MF** C₇H₁₇O₂PS₃ **MW** 260.38 **PS** L
SG 1.17 g/cm³ **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

Phorate-oxon

O,O-Diethyl-S-[(ethylthio)methyl]phosphorothioate

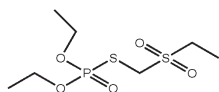


CAS 2600-69-3 **MF** C₇H₁₇O₃PS₂ **MW** 244.31 **PS** L
SOL T,CN,M

Matrix	Cat. No.	Unit
10 µg/mL in Toluene	P-1018S-T-0.1X	1 mL
100 µg/mL in AcCN	P-1018S-CN	1 mL

Phorate-oxon sulfone

O,O-Diethyl S-[(ethylsulfonyl)methyl] phosphorothioate

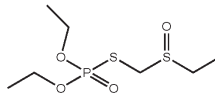


CAS 2588-06-9 **MF** C₇H₁₇O₅PS₂ **MW** 276.31 **PS** L
SOL CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1161S-CN	1 mL

Phorate-oxon sulfoxide

O,O-Diethyl S-[(ethylsulfinyl)methyl] phosphorothioate

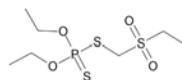


CAS 2588-05-8 **MF** C₇H₁₇O₄PS₂ **MW** 260.31 **PS** L
SOL CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1153S-CN	1 mL

Phorate sulfone

O,O-Diethyl-S-ethylsulfonylmethyl phosphorodithioate



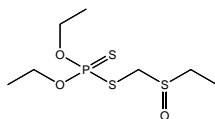
Thimet sulfone

CAS 2588-04-7 **MF** C₇H₁₇O₄PS₃ **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

Phorate sulfoxide

O,O-Diethyl S-[(ethylsulfinyl)methyl] phosphorothioate

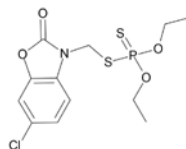


CAS 2588-03-6 **MF** C₇H₁₇O₃PS₃ **MW** 276.38
SG 1.30 g/cm³ **SOL** M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-732N	10 mg
100 µg/mL in MeOH	P-732S	1 mL

Phosalone

S-6-Chloro-2,3-dihydro-2-oxobenzoxazol-3-ylmethyl O,O-diethyl phosphorodithioate



Zolone

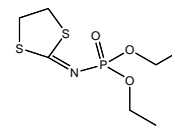
CAS 2310-17-0 **MF** C₁₂H₁₆ClNO₃PS₂ **MW** 367.81
PS S **SG** 1.34 g/cm³ **MP** 42-48 °C **FP** 100 °C
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-163N	10 mg
100 µg/mL in MeOH	P-163S	1 mL

Phosdrin, see Mevinphos

Phosfolan

Diethyl 1,3-dithiolan-2-ylidene phosphoramidate



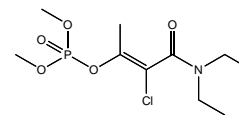
CAS 947-02-4 **MF** C₇H₁₄NO₃PS₂ **MW** 255.3 **PS** S
MP 37-45 °C **BP** 100-105 °C (0.001mm Hg)
SOL M,A,D,H

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, see Imidan

Phosphamidon

2-Chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate



CAS 13171-21-6 **MF** C₁₀H₁₉ClNO₅P **MW** 299.69
PS L **SG** 1.21 g/cm³ **BP** 162 °C (1.5mm Hg)
SOL M,A,D,H,T,CN,EA

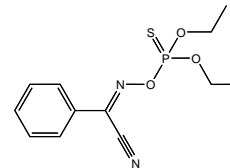
Matrix	Cat. No.	Unit
NEAT	P-075N	10 mg
100 µg/mL in MeOH	P-075S	1 mL

Phosphothion, see Malathion

Phosvel, see Leptophos

Phoxim

O,O-Diethyl alpha-cyanobenzylideneamino-phosphorothioate



CAS 14816-18-3 **MF** C₁₂H₁₅N₂O₃PS **MW** 298.3
PS L **SG** 1.21 g/cm³ **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

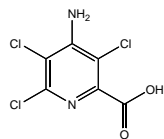
Phthalide, see Isobenzofuranone



Pesticide Standards

Picloram

4-Amino-3,5,6-trichloro-2-picolinic acid



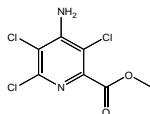
ATCP, Tordon

CAS 1918-02-1 **MF** C₆H₃Cl₃N₂O₂ **MW** 241.46 **PS** S
SG 0.85 g/cm³ **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

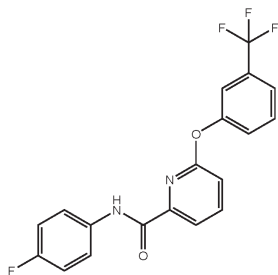


CAS 14143-55-6 **MF** C₇H₅Cl₃N₂O₂ **MW** 255.48
MP 132-134 °C **SOL** M,A,D,H,TP

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

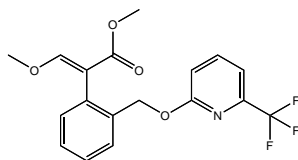


CAS 137641-05-5 **MF** C₁₉H₁₂F₄N₂O₂ **MW** 376.30
PS S **SG** 1.45 g/cm³ **MP** 107-108 °C
BP Decomp. 230 °C **SOL** M,CN,A,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-1061N	10 mg
100 µg/mL in MeOH	P-1061S	1 mL

Picoxystrobin

Methyl-(E)-3-methoxy-2-[2-[6-(trifluoromethyl)-2-pyridyloxy]methyl]phenyl]acrylate



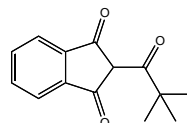
CAS 117428-22-5 **MF** C₁₈H₁₆F₃NO₄ **MW** 367.32
PS S **SG** 1.40 g/cm³ **MP** 75 °C
BP Decomp. 242 °C **SOL** A,T,CN,M,EA

Matrix	Cat. No.	Unit
NEAT	P-860N	10 mg
100 µg/mL in AcCN	P-860S-CN	1 mL

Pimeton, see Simeton

Pindone

2-(2,2-Dimethylpropanoyl)-1H-indene-1,3(2H)-dione



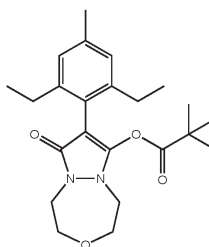
Pival

CAS 83-26-1 **MF** C₁₄H₁₄O₃ **MW** 230.26 **PS** S
SG 1.06 g/cm³ **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



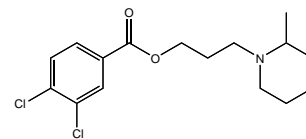
Axial

CAS 243973-20-8 **MF** C₂₃H₃₂N₂O₄ **MW** 400.51
PS S **SG** 1.16 g/cm³ **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 AcCN	P-1154S-CN	1 mL

Piperalin

3-(2-Methylpiperidino)propyl 3,4-dichlorobenzoate



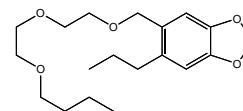
Pipron

CAS 3478-94-2 **MF** C₁₆H₂₁Cl₂NO₂ **MW** 330.25
PS L **SG** 1.19 g/cm³ **BP** 156-157 °C (20mm Hg)
FP 71 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-663N	10 mg
100 µg/mL in AcCN	P-663S-CN	1 mL

Piperonyl butoxide

5-[2-(2-Butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole

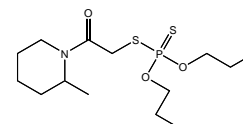


CAS 51-03-6 **MF** C₁₉H₃₀O₃ **MW** 338.44 **PS** L
SG 1.06 g/cm³ **BP** 180 °C (1mm Hg) **FP** 171 °C
SOL M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-348N	10 mg
100 µg/mL in MeOH	P-348S	1 mL

Piperophos

S-2-Methylpiperidinocarbonylmethyl O,O-dipropyl phosphorothioate



Rilof

CAS 24151-93-7 **MF** C₁₄H₂₈NO₃PS₂ **MW** 353.48
PS L **SG** 1.15 g/cm³ **BP** Decomp. 190 °C
FP >100 °C **SOL** M,A,D,H

Matrix	Cat. No.	Unit
NEAT	P-656N	10 mg

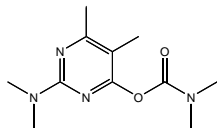
Pipron, see Piperalin

Pirate, see Chlorfenapyr



Pirimicarb

2-Dimethylamino-5,6-dimethylpyrimidin-4-yl dimethylcarbamate



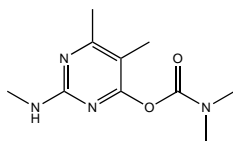
Pirimor

CAS 23103-98-2 MF C₁₁H₁₈N₄O₂ MW 238.29 PS S
SG 1.21 g/cm³ 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

Pirimicarb-desmethyl

5,6-Dimethyl-2-(methylamino)-4-pyrimidinyl dimethylcarbamate

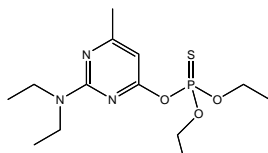


CAS 30614-22-3 MF C₁₀H₁₆N₄O₂ MW 224.26 PS S
SOL CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1139S-CN	1 mL

Pirimiphos-ethyl

O-2-Diethylamino-6-methylpyrimidin-4-yl O,O-diethyl phosphorothioate

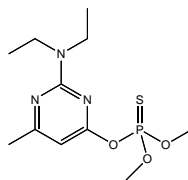


CAS 23505-41-1 MF C₁₃H₂₄N₃O₃PS MW 333.39
PS L SG 1.14 g/cm³ BP Decomp. 194 °C
FP >60 °C SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-328N	10 mg
100 µg/mL in MeOH	P-328S	1 mL

Pirimiphos-methyl

O-2-Diethylamino-6-methylpyrimidin-4-yl O,O-dimethyl phosphorothioate

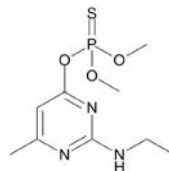


CAS 29232-93-7 MF C₁₁H₂₀N₃O₃PS MW 305.37
PS L SG 1.17 g/cm³ BP Decomp. FP >46 °C
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-305N	10 mg
100 µg/mL in MeOH	P-305S	1 mL

Pirimiphos-methyl-N-desethyl

O-[2-(Ethylamino)-6-methyl-4-pyrimidinyl] dihydrogen phosphorothioate



CAS 67018-59-1 MF C₉H₁₆N₃O₃PS MW 277.28
PS S SOL CN,TP,A,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1331S-CN	1 mL

Pirimor, see *Pirimicarb*

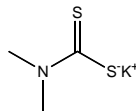
Pival, see *Pindone*

Pledge, see *Flumioxazin*

PMP, see *Phenmedipharm*

Polytrin, see *Cypermethrin*

Potassium dimethyl dithiocarbamate

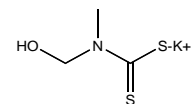


Busan 85

CAS 128-03-0 MF C₃H₆KNS₂ MW 159.32 PS L
SG 1.22 g/cm³ BP >100 °C SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-714S-CN	1 mL

Potassium n-hydroxymethyl-n-methyl dithiocarbamate



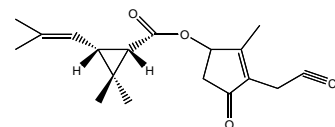
Busan 40

CAS 51026-28-9 MF C₃H₈KNOS₂ MW 175.32
PS L SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	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

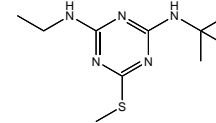
CAS 23031-36-9 MF C₁₉H₂₄O₃ MW 300.39 PS L
SG 1.03 g/cm³ BP >314 °C FP 168 °C
SOL M,A,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-667S	1 mL

Pramitol, see *Prometon*

Prebane

2-tert-Butylamino-4-ethylamino-6-methylthio-1,3,5-triazine



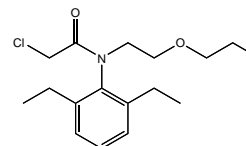
Igran, Terbutryne

CAS 886-50-0 MF C₁₀H₁₉N₃S MW 241.36 PS S
SG 1.12 g/cm³ 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

Pretilachlor

2-Chloro-2',6'-diethyl-N-(2-propoxyethyl)acetanilide



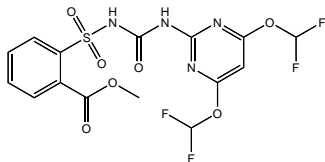
CAS 51218-49-6 MF C₁₇H₂₆ClNO₂ MW 311.85
PS L SG 1.07 g/cm³ BP 135 °C (0.001mg Hg)
FP 129 °C SOL M,A,CN,H,D

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



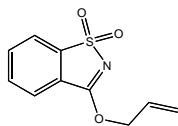
Beacon

CAS 86209-51-0 **MF** C₁₅H₁₂F₄N₄O₇S **MW** 468.34
PS S **SG** 1.61 g/cm³ **MP** 170 °C (decomp.)
SOL CN,A,T,H

Matrix	Cat. No.	Unit
NEAT	P-833N	10 mg
100 µg/mL in AcCN	P-833S-CN	1 mL

Probenazole

3-Allyloxy-1,2-benz[d]isothiazole 1,1-dioxide

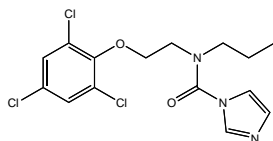


CAS 27605-76-1 **MF** C₁₀H₉N₂O₃S **MW** 223.25 **PS S**
SG 1.33 g/cm³ **MP** 138 °C **BP** 369 °C **FP** 177 °C
SOL A,CN

Matrix	Cat. No.	Unit
NEAT	P-710N	10 mg
100 µg/mL in Acetone	P-710S-A	1 mL

Prochloraz

N-Propyl-N-(2,4,6-trichlorophenoxy) ethyl-imidazole-1-carboxamide



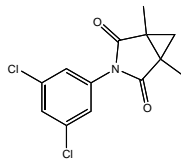
CAS 67747-09-5 **MF** C₁₅H₁₆Cl₃N₃O₂ **MW** 376.66
PS S **SG** 1.42 g/cm³ **MP** 46.5-49.3 °C
BP Decomp. 200 °C **FP** 160 °C
SOL M,A,D,H,T,CN,EA,DMSO,IPA

Matrix	Cat. No.	Unit
NEAT	P-549N	10 mg
100 µg/mL in MeOH	P-549S	1 mL

Proconazole, see Tilt

Procymidone

N-(3,5-Dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide

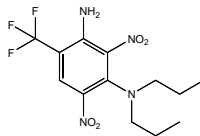


CAS 32809-16-8 **MF** C₁₃H₁₁Cl₂NO₂ **MW** 284.14
PS S **SG** 1.45 g/cm³ **MP** 166-167 °C **FP** >100 °C
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-430N	10 mg
100 µg/mL in MeOH	P-430S	1 mL

Prodiamine

2-Dipropylamino- α,α,α -trifluoro-4,6-dinitro-o-toluidine

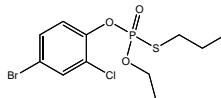


CAS 29091-21-2 **MF** C₁₃H₁₇F₃N₃O₄ **MW** 350.29
PS S **SG** 1.47 g/cm³ **MP** 123-124 °C
BP Decomp. 240 °C **SOL** M,A,IPA

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

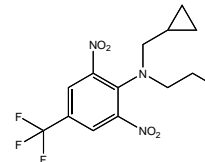


CAS 41198-08-7 **MF** C₁₁H₁₅BrClO₃PS **MW** 373.63
PS L **SG** 1.46 g/cm³ **BP** 110 °C (1.80 Pa)
FP 124 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-260N	10 mg
100 µg/mL in MeOH	P-260S	1 mL

Profluralin

N-(Cyclopropylmethyl)- α,α,α -trifluoro-2,6-dinitro-N-propyl-p-toluidine



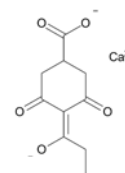
Tolban

CAS 26399-36-0 **MF** C₁₄H₁₆F₃N₃O₄ **MW** 347.29
PS L,S **SG** 1.38 g/cm² **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-calcium

Calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate

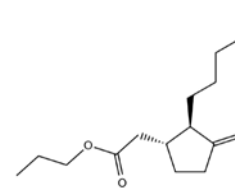


CAS 127277-53-6 **MF** C₂₀H₂₂CaO₁₀ **MW** 462.46
PS S **SG** 1.46 g/cm³ **MP** >360 °C **SOL** H,EA,M,A

Matrix	Cat. No.	Unit
NEAT	P-1068N	10 mg

Prohydrojasmon

Propyl (1R,2R)-(3-oxo-2-pentylcyclopentyl)acetate



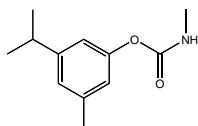
CAS 158474-72-7 **MF** C₁₅H₂₆O₃ **MW** 254.37 **PS L**
SG 0.97 g/cm³ **BP** 318 °C (100.7kPa) **FP** 165 °C
SOL M,CN,TP,H,A,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1342S	1 mL



Promecarb

3-Isopropyl-5-methylphenyl methylcarbamate



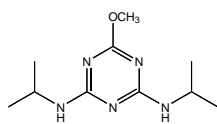
CAS 2631-37-0 **MF** C₁₂H₁₇NO₂ **MW** 207.27 **PS** S
SG 1.02 g/cm³ **MP** 87-88 °C **FP** 124 °C
BP 117 °C (0.1mm Hg) **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-265N	10 mg
100 µg/mL in MeOH	P-265S	1 mL

Promet, see Furathiocarb

Prometon

6-Methoxy-N,N'-bis(1-methylethyl)-1,3,5-triazine-2,4-diamine



Pramitol

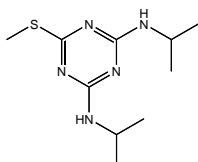
CAS 1610-18-0 **MF** C₁₀H₁₉N₅O **MW** 225.34 **PS** S
SG 1.09 g/cm³ **MP** 91-92 °C
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-077N	10 mg
100 µg/mL in MeOH	P-077S	1 mL

Prometrin, see Prometryne

Prometryne

2-Methylthio-4,6-bis(isopropyl amino)-1,3,5-triazine



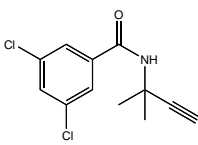
Prometrin

CAS 7287-19-6 **MF** C₁₀H₁₉N₅S **MW** 241.36 **PS** S
SG 1.15 g/cm³ **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

Pronamide

3,5-Dichloro-N-(1,1-dimethylpropynyl)benzamide



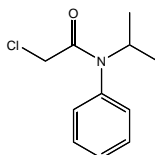
Kerb, Propyzamide

CAS 23950-58-5 **MF** C₁₂H₁₁Cl₂NO **MW** 256.13
PS S **SG** 1.33 g/cm³ **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

Propachlor

2-Chloro-N-isopropylacetanilide



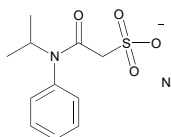
Ramrod

CAS 1918-16-7 **MF** C₁₁H₁₄ClNO **MW** 211.69
PS S **SG** 1.24 g/cm³ **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

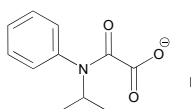


CAS 947601-88-9 **MF** C₁₁H₁₄NSO₄Na **MW** 297 °C
PS S **MP** 224-226 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-919S	1 mL

Propachlor OA sodium salt

Sodium [(1-methylethyl)-phenylamino]-oxo-acetate

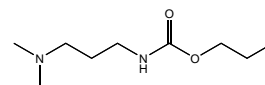


CAS N/A **MF** C₁₁H₁₂NNaO₃ **MW** 229 **PS** S
MP 260-264 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-921S	1 mL

Propamocarb

Propyl 3-(dimethylamino)propylcarbamate

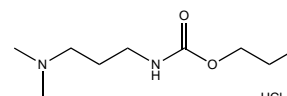


CAS 24579-73-5 **MF** C₉H₂₀N₂O₂ **MW** 188.27 **PS** L
SG 0.96 g/cm³ **FP** 100 °C **SOL** M,A,D,T,CN,EA,H

Matrix	Cat. No.	Unit
NEAT	P-312N	10 mg
100 µg/mL in MeOH	P-312S	1 mL

Propamocarb hydrochloride

Propyl 3-(dimethylamino)propylcarbamate hydrochloride

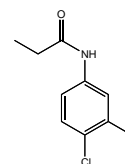


CAS 25606-41-1 **MF** C₉H₂₁ClN₂O₂ **MW** 224.73
PS S **SG** 1.16 g/cm³ **MP** 64-65 °C
BP Decomp. 150 °C **SOL** M,CN,A,D,EA,T,H

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1137S-CN	1 mL

Propanil

3',4'-Dichloropropionanilide



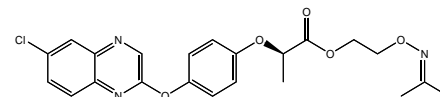
3,4-DCPA

CAS 709-98-8 **MF** C₉H₉Cl₂NO **MW** 218.08 **PS** S
SG 1.41 g/cm³ **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

Propaquizafop

2-Isopropylideneaminoxyethyl (R)-2-[4-(6-chloroquinoxalin-2-yloxy)phenoxy]propionate



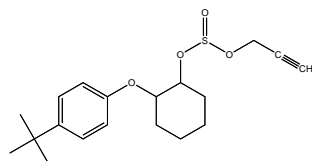
CAS 111479-05-1 **MF** C₂₂H₂₂ClN₃O₅ **MW** 443.88 **PS** S
SG 1.30 g/cm³ **MP** 62-65 °C **BP** Decomp. 260 °C
FP >100 °C **SOL** A,M,T,CN,D,EA,H

Matrix	Cat. No.	Unit
NEAT	P-908N	10 mg
100 µg/mL in MeOH	P-908S	1 mL



Propargite

2-(4-tert-Butylphenoxy)cyclohexyl prop-2-ynyl sulfite



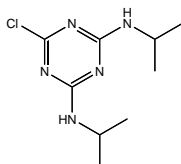
Omite

CAS 2312-35-8 **MF** C₁₉H₂₆O₄S **MW** 350.47 **PS** L
SG 1.11 g/cm³ **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



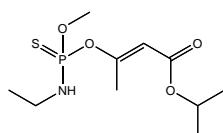
Prozinex

CAS 139-40-2 **MF** C₉H₁₆ClN₅ **MW** 229.71 **PS** S
SG 1.16 g/cm³ **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

Propetamphos

(E)-O-2-Isopropoxycarbonyl-1-methylvinyl O-methyl ethylphosphoramidothioate



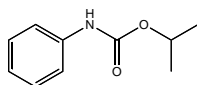
Safrotin

CAS 31218-83-4 **MF** C₁₀H₂₀NO₅PS **MW** 281.31
PS L **SG** 1.13 g/cm³ **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

Propham

1-Methylethylphenyl carbamate



IPC

CAS 122-42-9 **MF** C₁₀H₁₃NO₂ **MW** 179.22 **PS** S
SG 1.09 g/cm³ **MP** 87-88 °C **BP** Decomp. 100 °C
SOL M,A,H,CN,EA,W

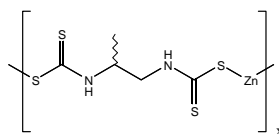
Matrix	Cat. No.	Unit
NEAT	P-052N	10 mg
100 µg/mL in MeOH	P-052S	1 mL

Prophos, see Ethoprop

Propiconazole, see Tilt

Propineb

[[[(1-Methyl-1,2-ethanediy)bis(carbamodithioato)](2-)]zinc



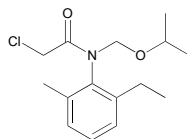
Zinc propylenebis(dithiocarbamate)

CAS 12071-83-9 **MF** (C₅H₈N₂S₄Zn)_x **MW** (689.78)_x
PS S **SG** 1.81 g/cm³ **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



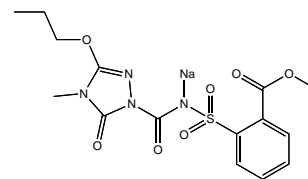
CAS 86763-47-5 **MF** C₁₅H₂₂ClNO₂ **MW** 283.8 **PS** L
SG 1.09 g/cm³ **MP** 22 °C **BP** decomp. 150 °C
SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1158S-CN	1 mL
1000 µg/mL in AcCN	P-1158S-CN-10X	1 mL

Propoxur, see Baygon

Propoxycarbazone-sodium salt

2-[(4-Methyl-5-oxo-3-propoxy-1,2,4-triazolin-1-yl)carbamidosulfonyl]benzoic acid methyl ester sodium salt



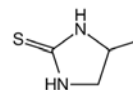
CAS 181274-15-7 **MF** C₁₅H₁₇N₄NaO₇S **MW** 420.37
PS S **SG** 1.42 g/cm³ **MP** 230 °C (decomp.)
SOL A,D,M,W

Matrix	Cat. No.	Unit
NEAT	P-1014N	10 mg
50 µg/mL in Water	P-1014S-W-0.5X	1 mL

Propylene thiourea, see Propylenethiourea (PTU)

Propylenethiourea (PTU)

4-Methylimidazolidine-2-thione



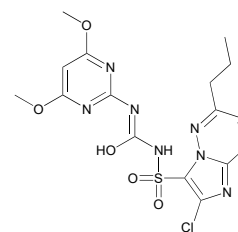
Propylene thiourea

CAS 2122-19-2 **MF** C₄H₈N₂S **MW** 116.19 **PS** S
SG 1.20 g/cm³ **MP** 210-212 °C **SOL** CN,EA

Matrix	Cat. No.	Unit
NEAT	P-861N	10 mg
100 µg/mL in AcCN	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** C₁₆H₁₈ClN₇O₅S **MW** 455.87
PS S **MP** 200 °C decomp. **SOL** CN

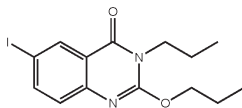
Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1166S-CN	1 mL
1000 µg/mL in AcCN	P-1166-CN-10X	1 mL

Propyzamide, see Pronamide



Proquinazid

6-Iodo-2-propoxy-3-propyl-4(3H)quinazolinone

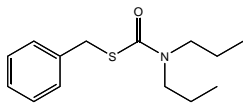


CAS 189278-12-4 **MF** C₁₄H₁₇IN₂O₂ **MW** 372.20
PS S **SG** 1.57 g/cm³ **MP** 61-62 °C
BP Decomp. 367 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1156S-CN	1 mL

Prosulfocarb

S-Benzyl dipropylthiocarbamate

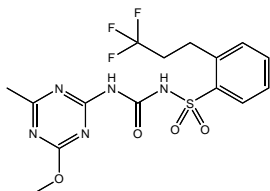


CAS 52888-80-9 **MF** C₁₄H₂₁NOS **MW** 251.39 **PS L**
SG 1.05 g/cm³ **BP** 129 °C (33Pa) **FP** >100 °C
SOL A,EA,M,T,CN

Matrix	Cat. No.	Unit
NEAT	P-742N	10 mg
100 µg/mL in MeOH	P-742S	1 mL

Prosulfuron

1-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-
3-[2-(3,3,3-trifluoropropyl)]

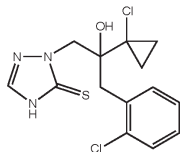


CAS 94125-34-5 **MF** C₁₅H₁₆F₃N₅O₄S **MW** 419.38
PS S **SG** 1.45 g/cm³ **MP** 155 °C (decomp.)
SOL A,T,EA,CN,M,H,D

Matrix	Cat. No.	Unit
NEAT	P-834N	10 mg
100 µg/mL in AcCN	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



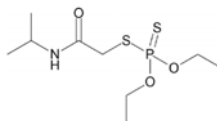
CAS 178928-70-6 **MF** C₁₄H₁₅Cl₂N₃OS **MW** 344.26
PS S **SG** 1.36 g/cm³ **MP** 139-145 °C **BP** 487 °C
SOL A,EA,M,CN,DMSO,IPA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-965S-CN	1 mL

Prothiofos, see Tokuthion

Prothoate

O,O-Diethyl S-[2-(isopropylamino)-2-oxoethyl] phosphorodithioate



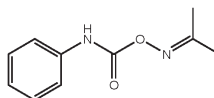
CAS 2275-18-5 **MF** C₈H₂₀NO₃PS₂ **MW** 285.36
PS S **SG** 1.15 g/cm³ **MP** 29 °C **FP** 160 °C
SOL W,H,M,CN,A,T

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-657S	1 mL

Prowl, see Pendimethalin

Proxipham

2-Propanone,O-[(phenylamino)carbonyl]oxime



CAS 2828-42-4 **MF** C₁₀H₁₂N₂O₂ **MW** 192.21
PS S **SG** 1.09 g/cm³ **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

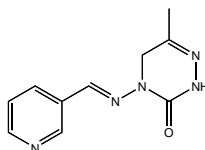
Prozinex, see Propazine

Pydrin, see Fenvalerate

Pymetrozin, see Pymetrozine

Pymetrozine

(E)-4,5-Dihydro-6-methyl-4-((3-pyridinylmethylene)amino)-1,2,4-triazin-3(2H)-one



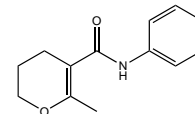
Pymetrozine

CAS 123312-89-0 **MF** C₁₀H₁₁N₅O **MW** 217.23 **PS S**
SG 1.36 g/cm³ **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 AcCN	P-835S-CN	1 mL

Pyracarbolid

3,4-Dihydro-6-methyl-2H-pyran-5-carboxanilide

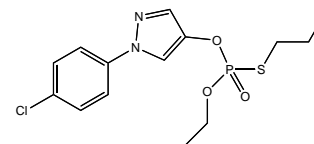


CAS 24691-76-7 **MF** C₁₃H₁₅NO₂ **MW** 217.26 **PS S**
SG 1.17 g/cm³ **MP** 111 °C **SOL** M,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-792S-CN	1 mL

Pyraclufos

O-[1-(4-Chlorophenyl)-1H-pyrazol-4-yl]
O-ethyl S-propyl phosphorothioate



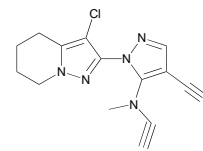
Boltage, Starlex, Voltage

CAS 77458-01-6 **MF** C₁₄H₁₈ClN₂O₃PS **MW** 360.8
PS L **SG** 1.27 g/cm³ **BP** 164 °C (0.01mm Hg)
SOL M,A,T,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-716S	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

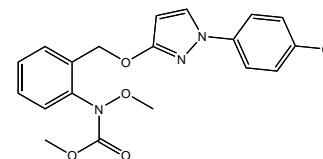


CAS 158353-15-2 **MF** C₁₅H₁₆CIN₆ **MW** 314.78
PS S **SG** 1.325 g/cm³ **MP** 93-95 °C **FP** 110 cc
SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1167S-CN	1 mL
1000 µg/mL in AcCN	P-1167S-CN-10X	1 mL

Pyraclostrobin

Methyl-2-[1-(4-chlorophenyl)-1H-pyrazol-3-yloxy]methyl]phenyl]methoxycarbamate



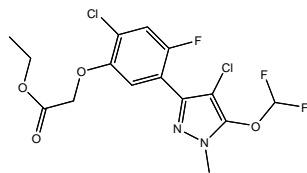
CAS 175013-18-0 **MF** C₁₉H₁₈CIN₃O₄ **MW** 387.82
PS S **SG** 1.37 g/cm³ **MP** 64-65 °C
BP Decomp. 200 °C **SOL** M,A,D,T,CN,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-863N	10 mg
100 µg/mL in AcCN	P-863S-CN	1 mL



Pyraflufen-ethyl

Ethyl [2-chloro-5-(4-chloro-5-difluoromethoxy-1-methylpyrazol-3-yl)-4-fluorophenoxy]acetate



CAS 129630-19-9 **MF** C₁₅H₁₃Cl₂F₃N₂O₄ **MW** 413.18
PS S **SG** 1.57 g/cm³ **MP** 126-127 °C
BP Decomp. 240 °C **SOL** M,A,EA,CN,H,D

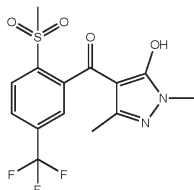
Matrix	Cat. No.	Unit
NEAT	P-1015N	10 mg
100 µg/mL in Acetone	P-1015S-A	1 mL

Pyramite, see Pyridaben

Pyranica, see Tebufenpyrad

Pyrasulfotole

(5-Hydroxy-1,3-dimethyl-1H-pyrazol-4-yl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone

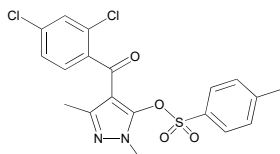


CAS 365400-11-9 **MF** C₁₄H₁₃F₃N₂O₄S **MW** 362.32
PS S **SG** 1.50 g/cm³ **MP** 201 °C
BP Decomp. >245 °C **SOL** T,EA,A,CN,W,DMSO

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1144S-CN	1 mL

Pyrazolate

(2,4-Dichlorophenyl)[1,3-dimethyl-5-[[4-(4-methylphenyl)sulfonyl]oxy]-1H-pyrazol-4-yl]methanone

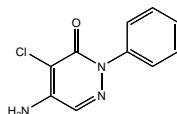


CAS 58011-68-0 **MF** C₁₉H₁₆Cl₂N₂O₄S **MW** 439.31
PS S **SG** 1.47 g/cm³ **MP** 118 °C **SOL** CN,M,T

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1209S-CN	1 mL
1000 µg/mL in AcCN	P-1209S-CN-10X	1 mL

Pyrazon

5-Amino-4-chloro-2-phenylpyridazin-3(2H)-one



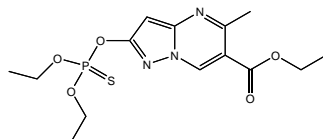
Chloridazon, PCA

CAS 1698-60-8 **MF** C₁₀H₈ClN₂O **MW** 221.64 **PS S**
SG 1.54 g/cm³ **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

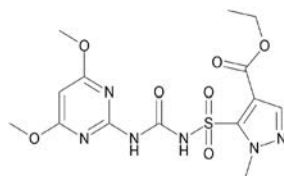


CAS 13457-18-6 **MF** C₁₄H₂₀N₄O₅PS **MW** 373.37
PS S **SG** 1.38 g/cm³ **MP** 51-52 °C
BP Decomp. 160 °C **SOL** M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-359N	10 mg
100 µg/mL in MeOH	P-359S	1 mL

Pyrazosulfuron-ethyl

Ethyl 5-[[4,6-dimethoxypyrimidin-2-ylcarbamoyl]sulfonyl]-1-methylpyrazole-4-carboxylate

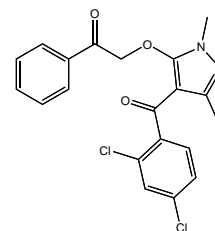


CAS 93697-74-6 **MF** C₁₄H₁₈N₆O₈S **MW** 414.4
PS S **SG** 1.46 g/cm³ **MP** 178-180 °C **FP** >170 °C
SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1332S	1 mL

Pyrazoxyfen

2-(4-(2,4-Dichlorobenzoyl)-1,3-dimethylpyrazol-5-yloxy)acetophenone

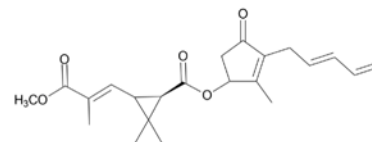


CAS 71561-11-0 **MF** C₂₀H₁₆Cl₂N₂O₃ **MW** 403.26
PS S **SG** 1.33 g/cm³ **MP** 111-112 °C
SOL M,A,H

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

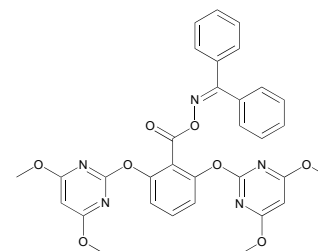


CAS 8003-34-7 **PS L** **SG** 0.85 g/cm³ **FP** 75 °C
BP 170 °C (0.097 mm Hg) **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-187N	10 mg
100 µg/mL in MeOH	P-187S	1 mL

Pyribenzoxim

Benzophenone O-[2,6-bis(4,6-dimethoxypyrimidin-2-yloxy)benzoyl]oxime



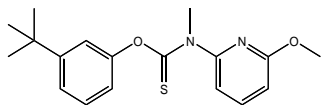
CAS 168088-61-7 **MF** C₃₂H₂₂N₆O₈ **MW** 609.6 **PS S**
SG 1.3 g/cm³ **MP** 129 °C **BP** 811 °C **FP** 444 °C
SOL CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1116S-CN	1 mL
1000 µg/mL in AcCN	P-1116S-CN-10X	1 mL



Pyributicarb

O-3-tert-Butylphenyl (6-methoxy-2-pyridyl)(methyl) thiocarbamate

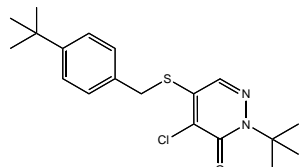


CAS 88678-67-5 **MF** C₁₈H₂₂N₂O₂S **MW** 330.45
PS S SG 1.16 g/cm³ **MP** 86 °C **SOL** M,A,EA,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-987S	1 mL

Pyridaben

2-tert-Butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one



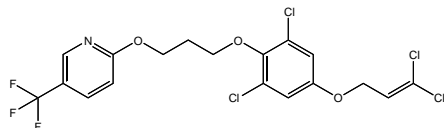
Pyramite

CAS 96489-71-3 **MF** C₁₉H₂₅ClN₂O₂S **MW** 364.93
PS S SG 1.2 g/cm³ **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

Pyridalyl

2-[3-[2,6-Dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-5-(trifluoromethyl)pyridine

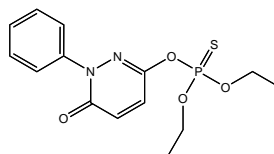


CAS 179101-81-6 **MF** C₁₈H₁₄Cl₄F₃NO₃ **MW** 491.11
PS L SG 1.45 g/cm³ **BP** 227 °C (decomp.)
SOL M,A,CN,H,EA

Matrix	Cat. No.	Unit
NEAT	P-990N	10 mg
100 µg/mL in MeOH	P-990S	1 mL

Pyridaphenthion

O-(1,6-Dihydro-6-oxo-1-phenylpyridazin-3-yl) O,O-diethyl phosphorothioate



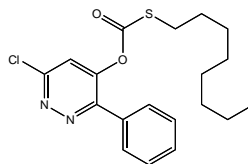
Ofunack

CAS 119-12-0 **MF** C₁₄H₁₇N₂O₄PS **MW** 340.34
PS S SG 1.30 g/cm³ **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

Pyridate

6-Chloro-3-phenylpyridazin-4-yl S-octyl thiocarbonate



Lentagran

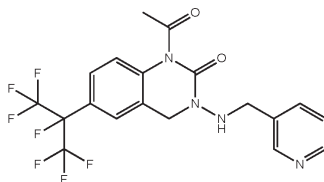
CAS 55512-33-9 **MF** C₁₉H₂₃ClN₂O₂S **MW** 378.92
PS S SG 1.16 g/cm³ **MP** 27 °C
BP 220 °C (0.1mm Hg) **SOL** M,A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-404N	10 mg
100 µg/mL in AcCN	P-404S-CN	1 mL

PyrifenoX, see Pyriphenox

Pyrifluquinazon

1-Acetyl-1,2,3,4-tetrahydro-3-[(3-pyridylmethyl) amino]-6-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl] quinazolin-2-one

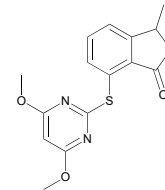


CAS 337458-27-2 **MF** C₁₉H₁₅F₇N₄O₂ **MW** 464.34
PS S MP 138-139 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1093S-CN	1 mL

Pyrifitalid

7-(4,6-Dimethoxypyrimidin-2-ylthio)-3-methylisobenzofuran-1(3H)-one

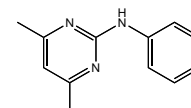


CAS 135186-78-6 **MF** C₁₅H₁₄N₂O₄S **MW** 318.35
PS S SG 1.44 g/cm³ **MP** 163 °C **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1212S-CN	1 mL
1000 µg/mL in AcCN	P-1212S-CN-10X	1 mL

Pyrimethanil

N-(4,6-Dimethylpyrimidin-2-yl)aniline



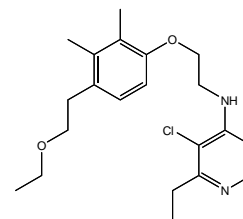
2-Anilino-4,6-dimethylpyrimidine

CAS 53112-28-0 **MF** C₁₂H₁₃N₃ **MW** 199.25 **PS S**
SG 1.15 g/cm³ **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

Pyrimidifen

5-Chloro-N-[2-[4-(2-ethoxyethyl)-2,3-dimethylphenoxy]ethyl]-6-ethyl-4-pyrimidinamine



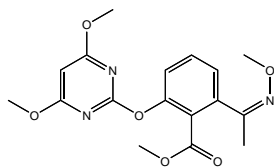
CAS 105779-78-0 **MF** C₂₀H₂₈ClN₃O₂ **MW** 377.91
PS S SG 1.45 g/cm³ **MP** 70 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-989S	1 mL



(E)-Pyriminobac-methyl

Methyl (E)-2-[(4,6-dimethoxypyrimidin-2-yl)oxy]-6-(1-(N-methoxyimino)ethyl)benzoate



Pyriminobac-methyl(E)

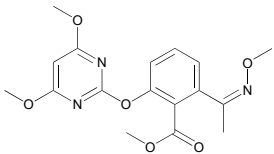
CAS 147411-69-6 **MF** C₁₇H₁₈N₃O₆ **MW** 361.35
PS S SG 1.33 g/cm³ **MP** 105 °C **SOL** A,EA,H,M

Matrix	Cat. No.	Unit
50 µg/mL in MeOH	P-1030S-0.5X	1 mL

Pyriminobac-methyl(E), see (E)-Pyriminobac-methyl

(Z)-Pyriminobac-methyl

Methyl (Z)-2-[(4,6-dimethoxypyrimidin-2-yl)oxy]-6-[1-(N-methoxyimino)ethyl]benzoate

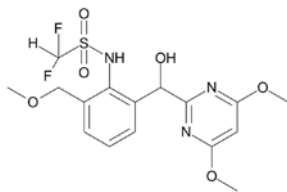


CAS 147411-70-9 **MF** C₁₇H₁₈N₃O₆ **MW** 361.35
PS S MP 68-74 °C **SOL** A,CN,M

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** C₁₆H₁₉F₂N₃O₈ **MW** 419.40
PS S MP 99 °C **BP** 551 °C **FP** 287 °C **SOL** CN

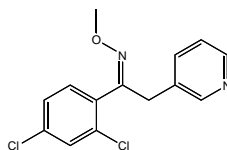
Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1203S-CN	1 mL

Pyrinuron, see *Vacor*

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

Pyriphenox

1-(2,4-Dichlorophenyl)-N-methoxy-2-(3-pyridinyl)ethanimine



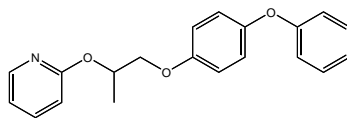
Pyriphenox

CAS 88283-41-4 **MF** C₁₄H₁₂Cl₂N₂O **MW** 295.16
PS L SG 1.25 g/cm³ **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

Pyriproxyfen

4-Phenoxyphenyl (RS)-2-(2-pyridyloxy)propyl ether



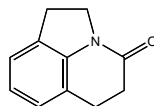
Admiral

CAS 95737-68-1 **MF** C₂₀H₁₉NO₃ **MW** 321.37 **PS S**
SG 1.23 g/cm³ **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 AcCN	P-795S-CN	1 mL

Pyroquilon

1,2,5,6-Tetrahydropyrrolo[3,2,1-ij]quinolin-4-one

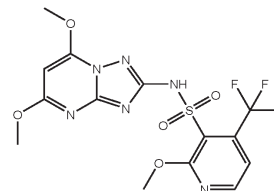


CAS 57369-32-1 **MF** C₁₁H₁₁NO **MW** 173.21 **PS S**
SG 1.25 g/cm³ **MP** 112 °C **BP** Decomp. 320 °C
SOL M,CN,A,D,W,IPA

Matrix	Cat. No.	Unit
NEAT	P-696N	10 mg
100 µg/mL in MeOH	P-696S	1 mL

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** C₁₄H₁₃F₃N₆O₅S **MW** 434.35
PS S SG 1.62 g/cm³ **MP** 208 °C
BP Decomp. 213 °C **SOL** A,CN,EA,M,W

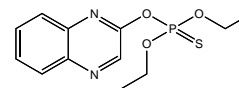
Matrix	Cat. No.	Unit
NEAT	P-1060N	10 mg
100 µg/mL in MeOH	P-1060S	1 mL

Pyroxystrobin, see *Azoxystrobin*

Pyroldiazole, see *1,2,4-Triazole*

Quinalphos

O,O-Diethyl O-quinoxalin-2-yl phosphorothioate



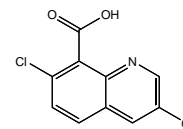
Diethquinalphione

CAS 13593-03-8 **MF** C₁₂H₁₅N₂O₃PS **MW** 298.3
PS S SG 1.24 g/cm³ **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

Quinlorac

3,7-Dichloro-8-quinolinecarboxylic acid



Facet

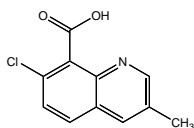
CAS 84087-01-4 **MF** C₁₀H₅Cl₂NO₂ **MW** 242.06
PS S SG 1.75 g/cm³ **MP** 274 °C **FP** 100 °C
SOL M,CN,A

Matrix	Cat. No.	Unit
NEAT	P-692N	10 mg
100 µg/mL in MeOH	P-692S ▲	1 mL
100 µg/mL in AcCN	P-692S-CN	1 mL



Quinmerac

7-Chloro-3-methylquinoline-8-carboxylic acid

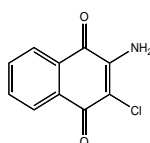


CAS 90717-03-6 **MF** C₁₁H₈ClNO₂ **MW** 221.64
PS S **SG** 1.49 g/cm³ **MP** 244 °C
BP Decomp. 260 °C **SOL** M,A,CN,T,D,W,H,EA

Matrix	Cat. No.	Unit
NEAT	P-836N	10 mg
100 µg/mL in AcCN	P-836S-CN	1 mL

Quinoclamine

2-Amino-3-chloro-1,4-naphthalenedione

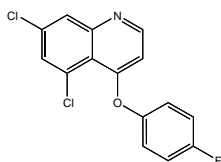


CAS 2797-51-5 **MF** C₁₀H₆ClNO₂ **MW** 207.61 **PS S**
SG 1.66 g/cm³ **MP** 198-200 °C
BP 348 °C (decomp.) **SOL** M,A,CN,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-985N	10 mg
100 µg/mL in MeOH	P-985S	1 mL

Quinoxifen

5,7-Dichloro-4-(4-fluorophenoxy)quinoline



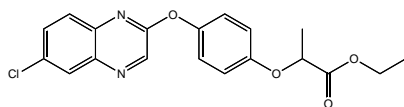
CAS 124495-18-7 **MF** C₁₇H₁₀Cl₂FNO **MW** 308.13
SG 1.56 g/cm³ **MP** 103 °C **FP** >100 °C
SOL M,A,CN,H,T,D,EA

Matrix	Cat. No.	Unit
NEAT	P-882N-5MG	5 mg
100 µg/mL in MeOH	P-882S	1 mL

Quintozene, see *Pentachloronitrobenzene*

Quizalofop ethyl

Ethyl 2-[4-[(6-chloro-2-quinoxalinyloxy)phenoxy]propanoate



CAS 76578-14-8 **MF** C₁₉H₁₇ClN₂O₄ **MW** 372.8
PS S **SG** 1.35 g/cm³ **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 AcCN	P-293S-CN	1 mL

Racumin, see *Coumatetralyl*

Ramrod, see *Propachlor*

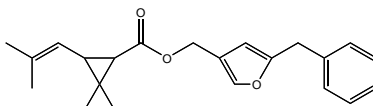
Randox, see *Allidochlor*

Raptor, see *Imazamox*

Reldan, see *Chlorpyrifos-methyl*

Resmethrin

5-Benzyl-3-furylmethyl (±)-cis-trans-chrysanthemate



CAS 10453-86-8 **MF** C₂₂H₂₆O₃ **MW** 338.44 **PS S**
SG 0.96 g/cm³ **MP** 56 °C **BP** Decomp. 180 °C
FP 129 °C **SOL** M,A,D,H,CN,TP,EA,T

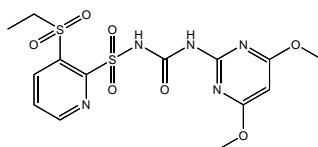
Matrix	Cat. No.	Unit
NEAT	P-325N	10 mg
100 µg/mL in MeOH	P-325S	1 mL

Rilof, see *Piperophos*

Rimon, see *Novaluron*

Rimsulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-(3-ethylsulfonyl-2-pyridylsulfonyl)urea



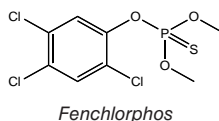
CAS 122931-48-0 **MF** C₁₄H₁₇N₅O₇S₂ **MW** 431.45
PS S **SG** 0.78 g/cm³ **MP** 176 °C **FP** >200 °C
SOL M,CN,A,D,EA

Matrix	Cat. No.	Unit
NEAT	P-837N	10 mg
100 µg/mL in AcCN	P-837S-CN	1 mL

Rogor, see *Dimethoate*

Ronnel

O,O-Dimethyl O-(2,4,5-trichlorophenyl) phosphorothioate

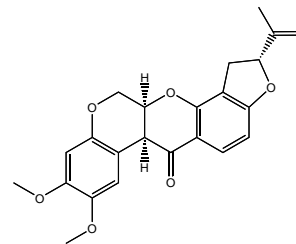


CAS 299-84-3 **MF** C₈H₈Cl₃O₃PS **MW** 321.55 **PS S**
SG 1.49 g/cm³ **MP** 38-40 °C **BP** Decomp.
SOL M,A,D,H,T,CN,TP,EA

Matrix	Cat. No.	Unit
NEAT	P-080N	10 mg
100 µg/mL in MeOH	P-080S	1 mL
1000 µg/mL in Hexane	P-080S-H-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** C₂₃H₂₂O₅ **MW** 394.42 **PS S**
SG 1.27 g/cm³ **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

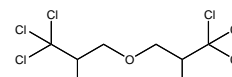
Roundup, see *Glyphosate*

Rozol, see *Chlorophacinone*

RU 15525, see *Kadethrine*

S421

1,1'-Oxybis(2,3,3,3-tetrachloropropane)



bis(2,3,3,3-Tetrachloropropyl) ether

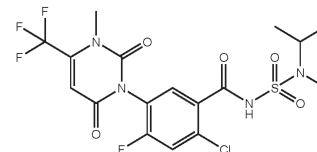
CAS 127-90-2 **MF** C₆H₂Cl₈O **MW** 377.73 **PS L**
SG 1.67 g/cm³ **BP** 144-150 °C (1 mm Hg)
FP 177 °C **SOL** M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-749N	10 mg
100 µg/mL in MeOH	P-749S	1 mL

SADH, see *Alar (SADH)*

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** C₁₇H₁₇ClF₄N₄O₅S **PS S**
MW 500.85 **PS S** **SG** 1.60 g/cm³ **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

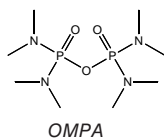
Safrotin, see *Propetamphos*



Sancap, see Dipropetryn

Schradan

Octamethylpyrophosphoramidate

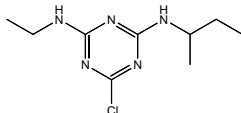


CAS 152-16-9 **MF** C₈H₂₄N₄O₃P₂ **MW** 286.25 **PS** L
SG 1.17 g/cm³ **BP** 120-125 °C (0.5mm Hg)
SOL M,D

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

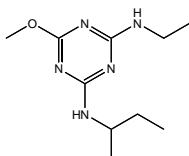


CAS 7286-69-3 **MF** C₉H₁₆ClN₅ **MW** 229.71 **PS** S
SG 1.17 g/cm³ **MP** 158-159 °C **SOL** M,A,D,CN

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

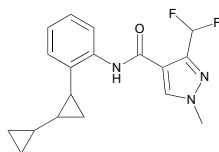


CAS 26259-45-0 **MF** C₁₀H₁₉N₅O **MW** 225.29 **PS** S
SG 1.14 g/cm³ **MP** 82-83 °C **SOL** D,M,A

Matrix	Cat. No.	Unit
NEAT	P-165N	10 mg
100 µg/mL in MeOH	P-165S	1 mL

Sedaxane

N-(2-(1,1'-Bicyclopropyl)-2-ylphenyl)-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide



CAS 874967-67-6 **MF** C₁₈H₁₉F₂N₃O **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

Select, see Clethodim

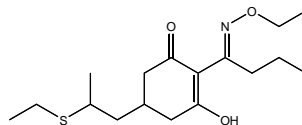
Semeron, see Desmetryn

Sencor, see Metribuzin

Sesone, see Disul, sodium salt

Sethoxydim

2-[1-(Ethoximino)butyl]-5-[2-(ethylthio)-propyl]-3-hydroxy-2-cyclohexen-1-one



CAS 74051-80-2 **MF** C₁₇H₂₉NO₃S **MW** 327.48 **PS** L
SG 1.04 g/cm³ **BP** >90 °C (0.00003mm Hg)
SOL M,A,CN,W,EA,H

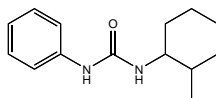
Matrix	Cat. No.	Unit
NEAT	P-306N	10 mg
100 µg/mL in AcCN	P-306S-CN	1 mL

Sevin, see Carbaryl

Sibutol, see Bitertanol

Siduron

1-(2-Methylcyclohexyl)-3-phenylurea

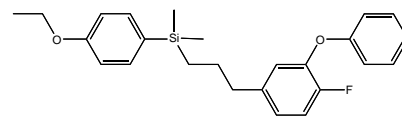


CAS 1982-49-6 **MF** C₁₄H₂₁N₂O **MW** 232.32 **PS** S
SG 1.08 g/cm³ **MP** 133-138 °C **SOL** M,A,H,CN,D

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



Silaneophan

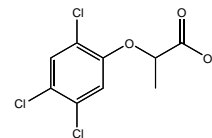
CAS 105024-66-6 **MF** C₂₅H₂₉FO₂Si **MW** 408.58
PS L **SG** 1.08 g/cm³ **BP** Decomp. 170 °C
FP >100 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-717N	10 mg
100 µg/mL in MeOH	P-717S	1 mL

Silaneophan, see Silafluofen

Silvex

2-(2,4,5-Trichlorophenoxy)propanoic acid



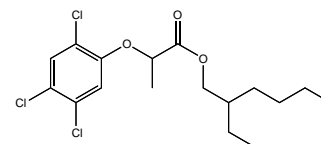
Fenoprop, 2,4,5-TP

CAS 93-72-1 **MF** C₉H₇Cl₃O₃ **MW** 269.51 **PS** S
SG 1.21 g/cm³ **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 AcCN	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** C₁₇H₂₃Cl₃O₃ **MW** 381.72 **PS** S
SOL M

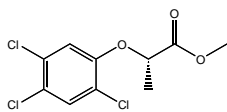
Matrix	Cat. No.	Unit
NEAT	P-728N	10 mg
100 µg/mL in MeOH	P-728S	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Silvex methyl ester

Methyl 2-(2,4,5-trichlorophenoxy)propionate



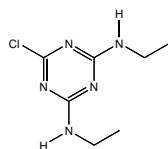
Fenoprop methyl ester, 2,4,5-TP methyl ester

CAS 4841-20-7 **MF** C₁₀H₉Cl₃O₃ **MW** 283.53 **PS** S
SG 1.40 g/cm³ **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



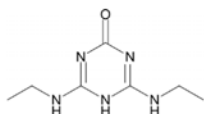
Gesatop

CAS 122-34-9 **MF** C₇H₁₂ClN₃ **MW** 201.66 **PS** S
SG 1.30 g/cm³ **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

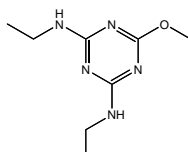


CAS 2599-11-3 **MF** C₇H₁₃N₅O **MW** 183.21
SOL M,CN

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1191S	1 mL

Simeton

N,N'-Diethyl-6-methoxy-1,3,5-triazine-2,4-diamine



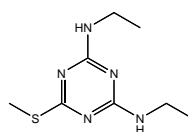
Pimeton

CAS 673-04-1 **MF** C₈H₁₅N₅O **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

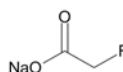
CAS 1014-70-6 **MF** C₈H₁₅N₅S **MW** 213.3 **PS** S
SG 1.02 g/cm³ **MP** 82-83 °C
SOL M,A,D,CN,EA,T,H,W

Matrix	Cat. No.	Unit
NEAT	P-166N	10 mg
100 µg/mL in MeOH	P-166S	1 mL

Siperin, see Cypermethrin

SMDC, see Metam-sodium dihydrate

Sodium fluoroacetate

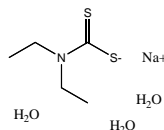


CAS 62-74-8 **MF** C₂H₂FO₂Na **MW** 100.2 **PS** S
MP 200-202 °C (decomp.) **SOL** W,CN

Matrix	Cat. No.	Unit
NEAT	P-1328N	10 mg

Sodium diethyldithiocarbamate trihydrate

Diethyldithiocarbamic acid sodium salt trihydrate



CAS 20624-25-3 **MF** C₅H₁₀NNaS₂·3H₂O
MW 225.31 **PS** S **SG** 1.1 g/cm³ **MP** 97 °C **SOL** W

Matrix	Cat. No.	Unit
NEAT	P-505N	10 mg
100 µg/mL in Water	P-505S-W	1 mL

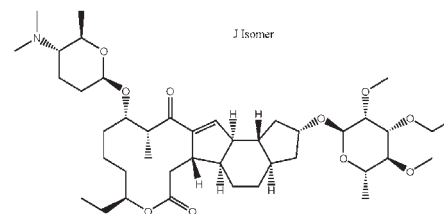
Sonalan, see Ethalfluralin

Sonar, see Fluridone

Spectracide®, see Diazinon

Spinetoram

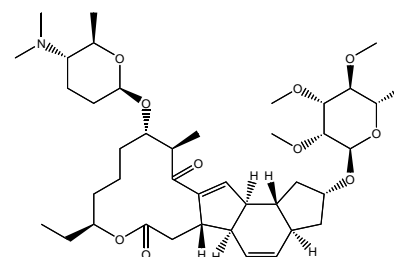
Mix of Isomers J & L



CAS 187166-40-1/187166-15-0 **MF** C₄₂H₆₉NO₁₀ / C₄₃H₆₉NO₁₀ **MW** 748.00/760.03 **PS** S **SOL** A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1083S-CN	1 mL

Spinosad



Spinosad technical

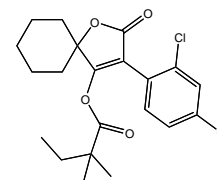
CAS 168316-95-8 **MF** C₄₁H₆₅NO₁₀ / C₄₂H₆₇NO₁₀
MW 731.96/745.98 **PS** S **SG** 1.16 g/cm³
MP 144-145 °C **SOL** M,D,CN,A,EA, H,W,T

Matrix	Cat. No.	Unit
NEAT	P-864N	10 mg
100 µg/mL in AcCN	P-864S-CN	1 mL

Spinosad technical, see Spinosad

Spirodiclofen

3-(2,4-Dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate



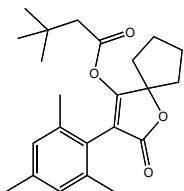
CAS 148477-71-8 **MF** C₂₁H₂₄Cl₂O₂ **MW** 411.32
PS S **SG** 1.29 g/cm³ **MP** 94-95 °C **BP** Decomp.
SOL M,A,CN,EA,D,IPA,DMSO

Matrix	Cat. No.	Unit
NEAT	P-938N	10 mg
100 µg/mL in MeOH	P-938S	1 mL



Spiromesifen

3-Mesityl-2-oxo-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutyrate

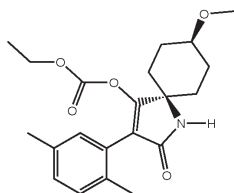


CAS 283594-90-1 **MF** C₂₃H₃₀O₄ **MW** 370.48 **PS** S
SG 1.13 g/cm³ **MP** 98 °C **BP** Decomp. 375 °C
SOL W,IPA,D,A,EA,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-960S-CN	1 mL

Spirotetramat

cis-3-(2,5-Dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl ethyl carbonate

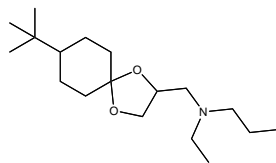


CAS 203313-25-1 **MF** C₂₁H₂₇NO₅ **MW** 373.44 **PS** S
SG 1.22 g/cm³ **MP** 142 °C **BP** Decomp. 235 °C
SOL M,CN,H,D,T,EA,DMSO,A

Matrix	Cat. No.	Unit
NEAT	P-1077N	10 mg
100 µg/mL in AcCN	P-1077S-CN	1 mL

Spiroxamine

N-Ethyl-N-propyl-8-tert-butyl-1,4-dioxaspiro[4.5]dec-2-ylmethylamine



CAS 118134-30-8 **MF** C₁₈H₃₅NO₂ **MW** 297.48 **PS** L
SG 0.94 g/cm³ **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 AcCN	P-869S-CN	1 mL

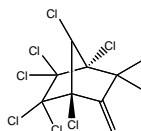
Spotless™, see *Diniconazole*

Starlex, see *Pyraclofos*

Stirophos, see *Tetrachlorvinphos*

Strobane

(1S,4R)-1,2,2,3,3,4,7-Heptachloro-5,5-dimethyl-6-methylenebicyclo[2.2.1]heptane



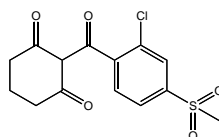
CAS 8001-50-1 **MF** C₁₀H₉Cl₇ **MW** 377.35 **PS** L
SOL M

Matrix	Cat. No.	Unit
NEAT	P-339N	10 mg
100 µg/mL in MeOH	P-339S	1 mL

Suffix, see *Benzoylprop-ethyl*

Sulcotrione

2-(2-Chloro-4-(methylsulfonyl)benzoyl)-1,3-cyclohexanedione



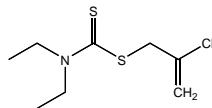
Chlormesulon

CAS 99105-77-8 **MF** C₁₄H₁₃ClO₅S **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 MeOH	P-951S	1 mL

Sulfallate

2-Chloro-2-propen-1-yl diethylcarbamodithioate



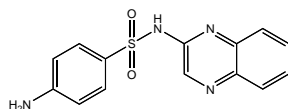
Vegadex

CAS 95-06-7 **MF** C₈H₁₄ClNS₂ **MW** 223.79 **PS** L
SG 1.09 g/cm³ **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



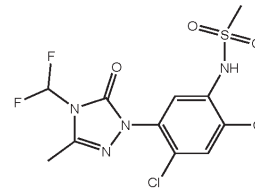
Sulfoquinoxaline

CAS 59-40-5 **MF** C₁₄H₁₂N₂O₂S **MW** 300.34
MP 247-248 °C **SOL** M,A

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-681S	1 mL

Sulfentrazone

2',4'-Dichloro-5'-(4-difluoromethyl-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl)methanesulfonamide



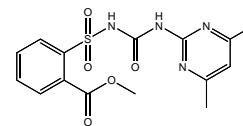
CAS 122836-35-5 **MF** C₁₁H₁₀Cl₂F₂N₄O₃S
MW 387.19 **PS** S **SG** 1.21 g/cm³ **MP** 122 °C
SOL A,CN,T,H,W

Matrix	Cat. No.	Unit
NEAT	P-798N	10 mg
100 µg/mL in AcCN	P-798S-CN	1 mL

Sulfometuron methyl, see *Sulfometuron methyl ester*

Sulfometuron methyl ester

Methyl 2-[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfamoyl]benzoate



Sulfometuron methyl

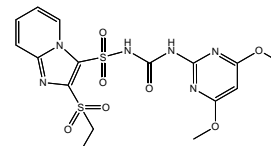
CAS 74222-97-2 **MF** C₁₅H₁₆N₄O₅S **MW** 364.38
PS S **SG** 1.48 g/cm³ **MP** 203-205 °C
SOL M,A,EA,T,D,W,EA,CN,DMSO

Matrix	Cat. No.	Unit
NEAT	P-336N	10 mg

Sulfoquinoxaline, see *Sulfaquinoxaline*

Sulfosulfuron

N-[[[(4,6-Dimethoxy-2-pyrimidinyl)amino]carbonyl]-2-(ethylsulfonyl)imidazo[1,2-a]pyridine-3-sulfonamide



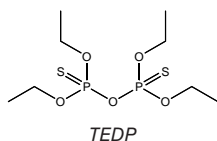
CAS 141776-32-1 **MF** C₁₆H₁₈N₆O₇S₂ **MW** 470.48
PS S **SG** 1.52 g/cm³ **MP** 201-202 °C
SOL M,CN,A,EA,W,D

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-865S-CN-0.1X	1 mL



Sulfotep

Tetraethyl dithiopyrophosphate

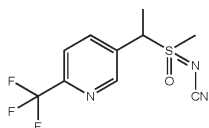


CAS 3689-24-5 **MF** C₈H₂₀O₆P₂S₂ **MW** 322.32 **PS L**
SG 1.20 g/cm³ **BP** 136-139 °C (2mm Hg)
SOL M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-167N	10 mg
100 µg/mL in MeOH	P-167S	1 mL

Sulfoxaflor

N-[Methyloxodio][1-(6-trifluoromethyl)-3-pyridyl]ethyl]-y4-sulfanylidene]cyanamide

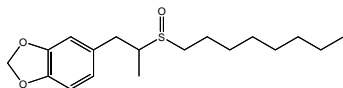


CAS 946578-00-3 **MF** C₁₀H₁₀F₃N₃OS **MW** 277.27
PS S **SG** 1.52 g/cm³ **MP** 112-113 °C
BP Decom. 167 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-1133N	10 mg
100 µg/mL in MeOH	P-1133S	1 mL

Sulfoxide

2-(1,3-Benzodioxol-5-yl)ethyl octyl sulfoxide



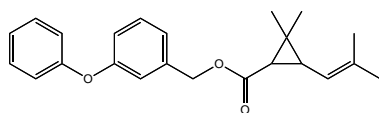
CAS 120-62-7 **MF** C₁₈H₂₆O₃S **MW** 324.48 **PS L**
SG 1.06 g/cm³ **SOL** M,A,D

Matrix	Cat. No.	Unit
NEAT	P-396N	10 mg
100 µg/mL in MeOH	P-396S	1 mL

Sulprofos, see Bolstar

Sumithrin

3-Phenoxybenzyl 2,2-dimethyl-3-(2-methyl-1-propen-1-yl)cyclopropanecarboxylate



d-Phenothrin

CAS 26002-80-2 **MF** C₂₃H₂₆O₃ **MW** 350.45 **PS L**
SG 1.06 g/cm³ **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

Supona, see Chlorfenvinphos

Suprathion, see Methidathion

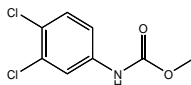
Surflan, see Oryzalin

Sutan, see Butylate

Swat, see Bomyl

Sweep

Methyl 3,4-dichlorocarbanilate



CAS 1918-18-9 **MF** C₈H₇Cl₂NO₂ **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

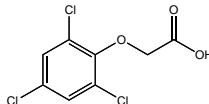
Sythane, see Myclobutanil

Systox, see Demeton (mixed isomers)

2,4,5-T, see 2,4,5-T acid

2,4,6-T

2,4,6-Trichlorophenoxyacetic acid

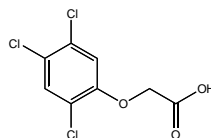


CAS 575-89-3 **MF** C₈H₅Cl₃O₃ **MW** 255.48 **PS S**
MP 185 °C **SOL** M,A,D,CN

Matrix	Cat. No.	Unit
NEAT	P-523N	10 mg
100 µg/mL in MeOH	P-523S ▲	1 mL
100 µg/mL in AcCN	P-523S-CN	1 mL

2,4,5-T acid

2,4,5-Trichlorophenoxyacetic acid



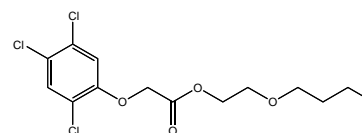
CAS 93-76-5 **MF** C₈H₅Cl₃O₃ **MW** 255.48 **PS S**
SG 1.80 g/cm³ **MP** 153-156 °C **BP** Decom.
SOL M,A,D,H,CN

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 AcCN	P-168S-CN	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.

2,4,5-T butoxyethyl ester

2-Butoxyethyl (2,4,5-trichlorophenoxy)acetate

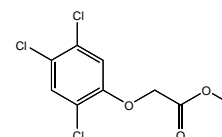


CAS 2545-59-7 **MF** C₁₄H₁₇Cl₃O₄ **MW** 355.64 **PS L**
SOL CN

Matrix	Cat. No.	Unit
NEAT	P-441N	10 mg
100 µg/mL in AcCN	P-441S-CN	1 mL

2,4,5-T methyl ester

2,4,5-Trichlorophenoxyacetate



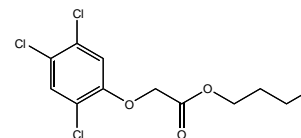
Methyl (2,4,5-trichlorophenoxy)acetate

CAS 1928-37-6 **MF** C₈H₅Cl₃O₃ **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** C₁₂H₁₃Cl₃O₃ **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 AcCN	P-440S-CN	1 mL

Talstar, see Bifenthrin

Tamaron, see Monitor

TBZ, see Thiabendazole

TCA, see Trichloroacetic acid

TCMTB, see Busan

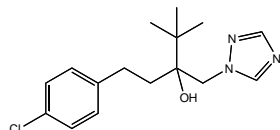
TCNB, see 2,3,5,6-Tetrachloronitrobenzene

TDE, see p,p'-DDD



Tebuconazol

(RS)-1-p-Chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol



Folicur

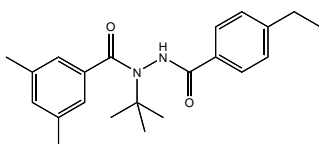
CAS 107534-96-3 **MF** C₁₆H₂₂ClN₃O **MW** 307.82
PS S **SG** 1.25 g/cm³ **MP** 105 °C **BP** Decomp. 350 °C
FP >100 °C **SOL** M,A,D,H,T,CN,EA,IPA

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

Tebufenocide, see Tebufenozide

Tebufenozide

N-tert-Butyl-N'-(4-ethylbenzoyl)-3,5-dimethylbenzohydrazide



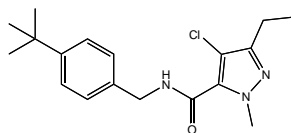
Tebufenocide

CAS 112410-23-8 **MF** C₂₂H₂₆N₂O₂ **MW** 352.47
PS S **SG** 1.03 g/cm³ **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

Tebufenpyrad

4-Chloro-N-[[4-(1,1-dimethylethyl)phenyl]methyl]-3-ethyl-1-methyl-1H-pyrazole-5-carboxamide



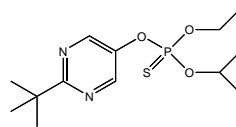
Pyranica

CAS 119168-77-3 **MF** C₁₈H₂₄ClN₃O **MW** 333.86 **PS** S
SG 1.02 g/cm³ **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

Tebupirimfos

O-Ethyl O-isopropyl O-[2-(2-methyl-2-propanyl)-5-pyrimidinyl] phosphorothioate

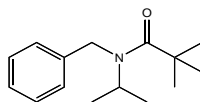


CAS 96182-53-5 **MF** C₁₃H₂₃N₂O₃PS **MW** 318.37
PS L **SG** 1.09 g/cm³ **BP** 152 °C **FP** 93 °C
SOL M,A,H

Matrix	Cat. No.	Unit
NEAT	P-727N	10 mg
100 µg/mL in MeOH	P-727S	1 mL

Tebutam

N-Benzyl-N-isopropylpivalamide



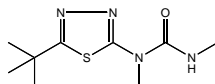
Butam

CAS 35256-85-0 **MF** C₁₅H₂₃NO **MW** 233.35 **PS** L
SG 0.98 g/cm³ **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** C₉H₁₆N₄OS **MW** 228.32 **PS** S
SG 1.19 g/cm³ **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

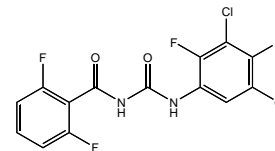
Tecnazene, see 2,3,5,6-Tetrachloronitrobenzene

Tedion V-18, see Tetradifon

TEDP, see Sulfotep

Teflubenzuron

1-(2,5-Dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl)urea

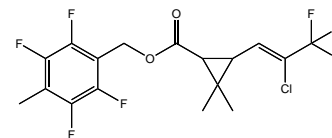


CAS 83121-18-0 **MF** C₁₄H₆Cl₂F₄N₂O₂ **MW** 381.11
PS S **SG** 1.65 g/cm³ **MP** 222-223 °C (decomp.)
SOL A,DMSO,D,H,T,M,CN

Matrix	Cat. No.	Unit
NEAT	P-452N	10 mg
100 µg/mL in MeOH	P-452S	1 mL

Tefluthrin

2,3,5,6-Tetrafluoro-4-methylbenzyl(1RS,3RS)-3-[(Z)-2-chloro-3,3,3-trifluoroprop-1-enyl]-2,2-dimethylcyclopropanecarboxylate



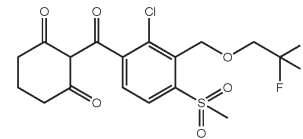
CAS 79538-32-2 **MF** C₁₇H₁₄ClF₇O₂ **MW** 418.73
PS S **SG** 1.48 g/cm³ **MP** 45 °C **FP** 124 °C
BP 153 °C (1mm Hg) **SOL** M,A,D,H,T,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-568S	1 mL

Telodrin, see Isobenzan

Tembotrione

2-[2-Chloro-4-mesyl-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]cyclohexane-1,3-dione



CAS 335104-84-2 **MF** C₁₇H₁₆ClF₃O₆ **MW** 440.82
PS S **SG** 1.56 g/cm³ **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 AcCN	P-1109S-CN	1 mL

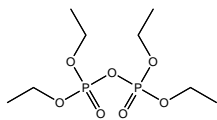
Temephos, see Abate

Temik, see Aldicarb



TEPP

Tetraethylpyrophosphate



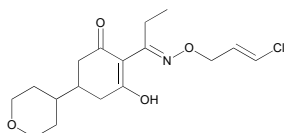
Tetron

CAS 107-49-3 **MF** C₈H₂₀O₇P₂ **MW** 290.19 **PS** L
SG 1.19 g/cm³ **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

Tepraloxymid

(5RS)-2-((EZ)-1-((2E)-3-Chloroallyloxyimino)propyl)-3-hydroxy-5-perhydropropen-4-ylcyclohex-2-en-1-one

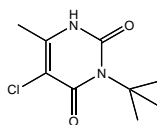


CAS 149979-41-9 **MF** C₁₇H₂₄ClNO₄ **MW** 341.83
PS S **SG** 1.28 g/cm³ **MP** 74 °C **BP** >185 °C
SOL A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1011S-CN	1 mL
1000 µg/mL in AcCN	P-1011S-CN-10X	1 mL

Terbacil

3-tert-Butyl-5-chloro-6-methyluracil



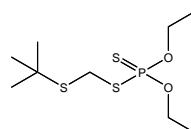
CAS 5902-51-2 **MF** C₉H₁₃ClN₂O₂ **MW** 216.69 **PS** S
SG 1.34 g/cm³ **MP** 175-177 °C
SOL M,A,D,H,CN,EA,W

Matrix	Cat. No.	Unit
NEAT	P-096N	10 mg
100 µg/mL in MeOH	P-096S	1 mL

Terbucarb, see Terbutol

Terbufos

S-tert-Butylthiomethyl
O,O-diethyl phosphorodithioate



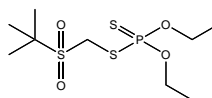
Counter

CAS 13071-79-9 **MF** C₈H₂₀O₂PS₃ **MW** 288.43 **PS** L
SG 1.10 g/cm³ **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 Hexane	P-208S-H-10X	1 mL

Terbufos sulfone

O,O-Diethyl S-(((2-methyl-2-propanyl)sulfonyl)methyl) phosphorodithioate

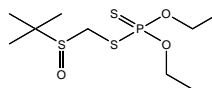


CAS 56070-16-7 **MF** C₉H₂₁O₄PS₃ **MW** 320.43
PS S **SOL** M,A,CN,TP,EA

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-729S	1 mL

Terbufos-sulfoxide

O,O-Diethyl S-(((2-methyl-2-propanyl)sulfonyl)methyl) phosphorodithioate

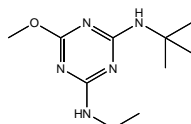


CAS 10548-10-4 **MF** C₉H₂₁O₃PS₃ **MW** 304.43
PS L **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-730N	10 mg
100 µg/mL in MeOH	P-730S	1 mL

Terbumeton

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

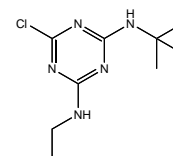


CAS 33693-04-8 **MF** C₁₀H₁₉N₅O **MW** 225.29 **PS** S
SG 1.08 g/cm³ **MP** 118-120 °C **SOL** W,A,T,M,D,CN

Matrix	Cat. No.	Unit
NEAT	P-504N	10 mg
100 µg/mL in MeOH	P-504S	1 mL

Terbutylazine

6-Chloro-N-ethyl-N'-(2-methyl-2-propanyl)-1,3,5-triazine-2,4-diamine



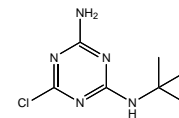
Gardoprim

CAS 5915-41-3 **MF** C₉H₁₆ClN₅ **MW** 229.71 **PS** S
SG 1.19 g/cm³ **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-propanyl)-1,3,5-triazine-2,4-diamine



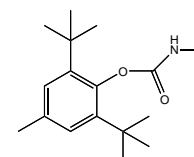
Desethylterbutylazine

CAS 30125-63-4 **MF** C₇H₁₂ClN₅ **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



Terbucarb

CAS 1918-11-2 **MF** C₁₇H₂₇NO₂ **MW** 277.4 **PS** S
SG 0.97 g/cm³ **MP** 200 - 201 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-464N	10 mg
100 µg/mL in MeOH	P-464S	1 mL

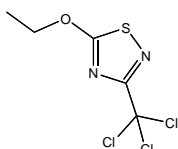
Terbutryne, see Prebane

Terraneb, see Chloroneb



Terrazole

Ethyl 3-trichloromethyl-1,2,4-thiadiazol-5-yl ether

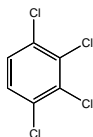


Etridiazole

CAS 2593-15-9 **MF** C₈H₅Cl₃N₂OS **MW** 247.53 **PS** S
SG 1.50 g/cm³ **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

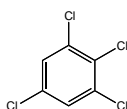
1,2,3,4-Tetrachlorobenzene



CAS 634-66-2 **MF** C₆H₂Cl₄ **MW** 215.89 **PS** S
SG 1.7 g/cm³ **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

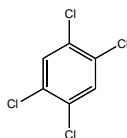
1,2,3,5-Tetrachlorobenzene



CAS 634-90-2 **MF** C₆H₂Cl₄ **MW** 215.89 **PS** S
SG 1.57 g/cm³ **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

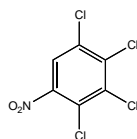
1,2,4,5-Tetrachlorobenzene



CAS 95-94-3 **MF** C₆H₂Cl₄ **MW** 215.89 **PS** S
SG 1.86 g/cm³ **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

1,2,3,4-Tetrachloro-5-nitrobenzene

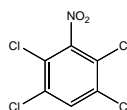


CAS 879-39-0 **MF** C₆HCl₄NO₂ **MW** 260.89 **PS** S
MP 65 °C **SOL** M

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



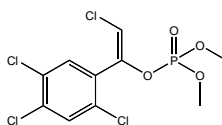
TCNB, Tecnazene

CAS 117-18-0 **MF** C₆HCl₄NO₂ **MW** 260.89 **PS** S
SG 1.75 g/cm³ **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



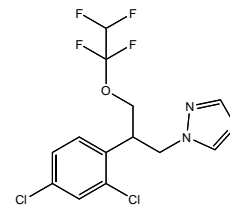
Stirophos

CAS 22248-79-9 **MF** C₁₀H₉Cl₄O₄P **MW** 365.96
PS S **SG** 1.52 g/cm³ **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 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

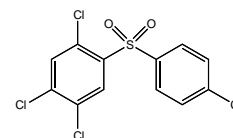


CAS 112281-77-3 **MF** C₁₃H₁₁Cl₂F₄N₃O **MW** 372.15
PS L **SG** 1.43 g/cm³ **BP** Decomp. 240 °C
FP 219 °C **SOL** M,A,T,CN,EA,W,CN,H

Matrix	Cat. No.	Unit
NEAT	P-721N	10 mg
100 µg/mL in MeOH	P-721S	1 mL

Tetradifon

4-Chlorophenyl 2,4,5-trichlorophenyl sulfone

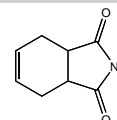


Tedion V-18

CAS 116-29-0 **MF** C₁₂H₆Cl₄O₂S **MW** 356.05 **PS** S
SG 1.52 g/cm³ **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

1,2,3,6-Tetrahydrophthalimide

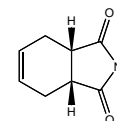


CAS 85-40-5 **MF** C₈H₇NO₂ **MW** 151.18 **PS** S
SG 1.23 g/cm³ **MP** 137 °C **BP** 337 °C
FP 165 °C **SOL** M,A

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



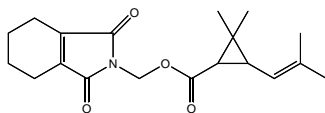
CAS 1469-48-3 **MF** C₈H₇NO₂ **MW** 151.18 **PS** S
MP 129-133 °C **BP** 324 °C **FP** 178 °C **SOL** M,A,CN

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** C₁₉H₂₅NO₄ **MW** 331.41 **PS** S
SG 1.11 g/cm³ **MP** 60-80 °C
BP 185-190 °C (0.1mm Hg) **SOL** M,A,D,H,T,CN,TP

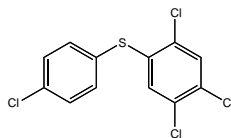
Matrix	Cat. No.	Unit
NEAT	P-406N	10 mg
100 µg/mL in MeOH	P-406S	1 mL

Tetramethylphosphorodiamidic fluoride (I), see Dimetox

Tetramethylthiuram disulfide, see Thiram

Tetrasul

4-Chlorophenyl 2,4,5-trichlorophenyl sulfide



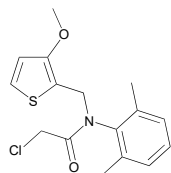
CAS 2227-13-6 **MF** C₁₂H₆Cl₄S **MW** 324.05 **PS** S
MP 88 °C **BP** 200 °C (1mm Hg) **SOL** A,CN,EA

Matrix	Cat. No.	Unit
NEAT	P-552N	10 mg
100 µg/mL in MeOH	P-552S	1 mL

Tetron, see TEPP

Thenylchlor

2-Chloro-N-(3-methoxy-2-thenyl)-2',6'-dimethylacetanilide

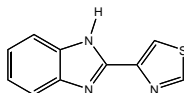


CAS 96491-05-3 **MF** C₁₆H₁₈ClNO₂S **MW** 323.84
PS S **SG** 1.19 g/cm³ **MP** 73 °C **BP** 174 °C
FP 224 °C **SOL** A,CN,H,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1194S-CN	1 mL
1000 µg/mL in AcCN	P-1194S-CN-10X	1 mL

Thiabendazole

2-(4-Thiazolyl)benzimidazole



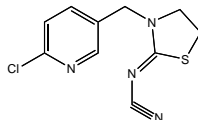
TBZ

CAS 148-79-8 **MF** C₁₀H₇N₃S **MW** 201.25 **PS** S
SG 1.34 g/cm³ **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

Thiacloprid

(3-((6-Chloro-3-pyridinyl)methyl)-2-thiazolidinylidene)cyanamide



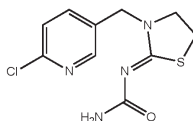
Calypso

CAS 111988-49-9 **MF** C₁₀H₇ClN₃S **MW** 252.72 **PS** S
SG 1.46 g/cm³ **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 AcCN	P-838S-CN	1 mL

Thiacloprid-amide

[3-(6-Chloro-3-pyridylmethyl)thiazolidin-2-ylidene] urea

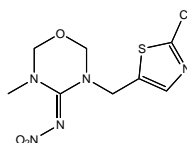


CAS 676228-91-4 **MF** C₁₀H₁₁ClN₄OS **MW** 270.74
PS S **MP** 171 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-1223N	10 mg
100 µg/mL in AcCN	P-1223S	1 mL

Thiamethoxam

3-(2-Chloro-5-thiazolylmethyl)tetrahydro-5-methyl-N-nitro-4H-1,3,5-oxadiazin-4-imine



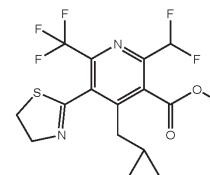
CAS 153719-23-4 **MF** C₈H₁₀ClN₃O₃S **MW** 291.72
PS S **SG** 1.57 g/cm³ **MP** 140 °C
BP Decomp. 147 °C **SOL** W,A,EA,D,T,M,H,CN

Matrix	Cat. No.	Unit
NEAT	P-866N	10 mg
100 µg/mL in AcCN	P-866S-CN	1 mL

Thiazophyr, see Thiazopyr

Thiazopyr

Methyl 2-difluoromethyl-5-(4,5-dihydro-1,3-thiazol-2-yl)-4-isobutyl-6-trifluoromethylnicotinate



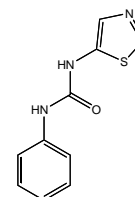
Thiazophyr

CAS 117718-60-2 **MF** C₁₆H₁₇F₅N₂O₂S **MW** 396.38
PS S **SG** 1.37 g/cm³ **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

Thidiazuron

1-Phenyl-3-(1,2,3-thiadiazol-5-yl)urea

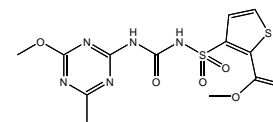


CAS 51707-55-2 **MF** C₉H₈N₂OS **MW** 220.25 **PS** S
SG 1.51 g/cm³ **MP** 211-213 °C (decomp.)
SOL M,T,A,EA,H,D,CN

Matrix	Cat. No.	Unit
NEAT	P-369N	10 mg
100 µg/mL in MeOH	P-369S	1 mL

Thifensulfuron methyl

Methyl-3-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)thiophene-2-carboxylate



Harmony

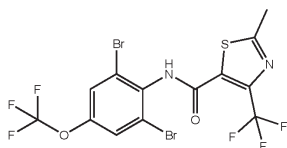
CAS 79277-27-3 **MF** C₁₂H₁₃N₅O₆S₂ **MW** 387.39
PS S **SG** 1.49 g/cm³ **MP** 176 °C
SOL W,EA,M,CN,H,A,D

Matrix	Cat. No.	Unit
NEAT	P-468N	10 mg
100 µg/mL in MeOH	P-468S	1 mL



Thifluzamide

2',6'-Dibromo-2-methyl-4'-trifluoromethoxy-4-trifluoromethyl-1,3-thiazole-5-carboxanilide



CAS 130000-40-7 MF C₁₃H₈Br₂F₆N₂O₂S
MW 528.06 PS S SG 2.0 g/cm³ MP 178-179 °C
BP Decomp. FP 177 °C SOL M,A,CN

Matrix	Cat. No.	Unit
NEAT	P-1055N	10 mg

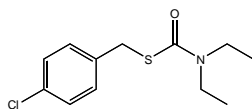
100 µg/mL in MeOH	P-1055S	1 mL
-------------------	---------	------

Thimet, see *Phorate*

Thimet sulfone, see *Phorate sulfone*

Thiobencarb

S-4-Chlorbenzyl diethylthiocarbamate



Benthiocarb

CAS 28249-77-6 MF C₁₂H₁₆ClNOS MW 257.78
PS L SG 1.18 g/cm³ BP 126-129 °C (0.008mm Hg)
SOL M,A,D,H,CN,TP,EA,T

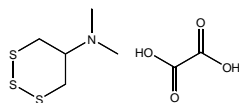
Matrix	Cat. No.	Unit
NEAT	P-180N	10 mg

100 µg/mL in MeOH	P-180S	1 mL
-------------------	--------	------

1000 µg/mL in MeOH	P-180S-10X	1 mL
--------------------	------------	------

Thiocyclam hydrogen oxalate

N,N-Dimethyl-1,2,3-trithian-5-amine hydrogen oxalate



CAS 31895-22-4 MF C₇H₁₃NO₃S₃ MW 271.38
PS S SG 0.60 g/cm³ 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

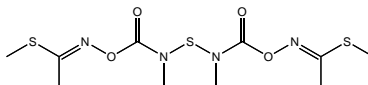
alpha-Thiodan, see *Endosulfan I*

Thiodan II, see *Endosulfan II*

Thiodemeton, see *Disulfoton*

Thiodicarb

Dimethyl N,N'-[thiobis((methylimino)carbonyloxy)] bis[ethanimidothioate]

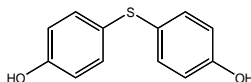


CAS 59669-26-0 MF C₁₀H₁₈N₂O₃S₃ MW 354.47
PS S SG 1.44 g/cm³ MP 173-174 °C
BP Decomp. 185 °C SOL D,A,T,M,H,CN

Matrix	Cat. No.	Unit
NEAT	P-477N	10 mg

100 µg/mL in MeOH	P-477S	1 mL
-------------------	--------	------

4,4'-Thiodiphenol



CAS 2664-63-3 MF C₁₂H₁₀O₂S MW 218.27 PS S
MP 154-156 °C SOL M

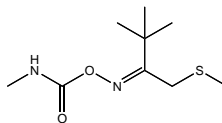
Matrix	Cat. No.	Unit
NEAT	P-117N	10 mg

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



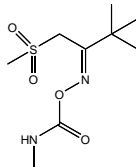
CAS 39196-18-4 MF C₉H₁₈N₂O₂S MW 218.32
PS S SG 1.05 g/cm³ MP 57-58 °C FP >100 °C
SOL CN,M,W

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

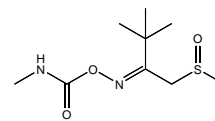


CAS 39184-59-3 MF C₉H₁₈N₂O₄S MW 250.32
SG 1.18 g/cm³ SOL CN

Matrix	Cat. No.	Unit
10 µg/mL in AcCN	P-839S-CN-0.1X	1 mL

Thiofanox sulfoxide

3,3-Dimethyl-1-(methylsulfinyl)-2-butanone O-((methylamino)carbonyl)oxime



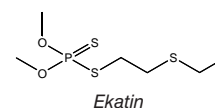
CAS 39184-27-5 MF C₉H₁₈N₂O₃S MW 234.32
PS S SG 1.16 g/cm³ MP 88-89 °C SOL M,CN

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



Ekatim

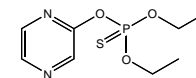
CAS 640-15-3 MF C₈H₁₅O₂PS₃ MW 246.35 PS L
SG 1.21 g/cm³ BP 110 °C (0.1mm Hg)
SOL W,M,A,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-486N	10 mg

100 µg/mL in MeOH	P-486S	1 mL
-------------------	--------	------

Thionazin

O,O-Diethyl O-2-pyrazinyl phosphorothioate



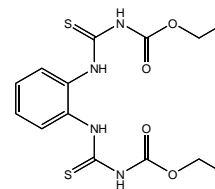
Zinophos

CAS 297-97-2 MF C₈H₁₃N₂O₃PS MW 248.24 PS L
SG 1.21 g/cm³ 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 C₁₄H₁₈N₂O₃S₂ MW 370.45
PS S MP 195 °C (decomp.) SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-321N	10 mg

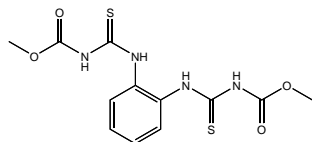
100 µg/mL in MeOH	P-321S	1 mL
-------------------	--------	------

100 µg/mL in AcCN	P-321S-CN	1 mL
-------------------	-----------	------



Thiophanate-methyl

Dimethyl [(1,2-phenylene)bis(iminocarbonothionyl)] bis[carbamate]



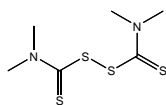
CAS 23564-05-8 **MF** C₁₂H₁₄N₄O₄S₂ **MW** 342.4
PS S **SG** 1.50 g/cm³ **MP** 172 °C (decomp.)
SOL W,A,M,CN,EA,H,T,D

Matrix	Cat. No.	Unit
NEAT	P-349N	10 mg
100 µg/mL in MeOH	P-349S	1 mL

Thiophos, see Parathion

Thiram

bis(Dimethylthiocarbamoyl) disulfide



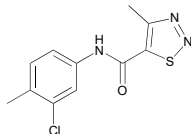
Tetramethylthiuram disulfide

CAS 137-26-8 **MF** C₆H₁₂N₂S₄ **MW** 240.44 **PS** S
SG 1.29 g/cm³ **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

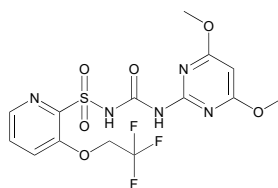


CAS 223580-51-6 **MF** C₁₁H₁₀ClN₃OS **MW** 267.73
PS S **MP** 112 °C **SOL** CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1112S-CN	1 mL
1000 µg/mL in AcCN	P-1112S-CN-10X	1 mL

Trifloxysulfuron

1-(4,6-Dimethoxypyrimidin-2-yl)-3-[3-(2,2,2-trifluoroethoxy)-2-pyridylsulfonyl]urea

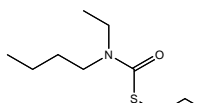


CAS 145099-21-4 **MF** C₁₄H₁₄F₃N₃O₅S **MW** 437.35
PS S **MP** 137 °C decomp. **SOL** CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1169S-CN	1 mL
1000 µg/mL in AcCN	P-1169S-CN-10X	1 mL

Tillam

S-Propyl butyl(ethyl)thiocarbamate



Pebulate

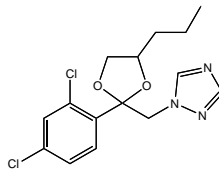
CAS 1114-71-2 **MF** C₁₀H₂₁NOS **MW** 203.35 **PS** L
SG 0.96 g/cm³ **BP** 142 °C (21mm Hg) **FP** 124 °C
SOL M,A,D,H,CN,TP,EA,T

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

Tillox, see Benazolin

Tilt

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



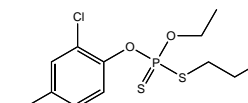
Proconazole, Propiconazole

CAS 60207-90-1 **MF** C₁₅H₁₇Cl₂N₃O₂ **MW** 342.22
PS L **SG** 1.29 g/cm³ **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

Tokuthion

O-2,4-Dichlorophenyl O-ethyl S-propyl phosphorothioate



Prothiotos

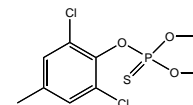
CAS 34643-46-4 **MF** C₁₁H₁₅Cl₂O₂PS₂ **MW** 345.25
PS L **SG** 1.31 g/cm³ **BP** 125-128 °C (13Pa)
FP 110 °C **SOL** M,A,D,H,T,CN,TP,EA,IPA

Matrix	Cat. No.	Unit
NEAT	P-126N	10 mg
100 µg/mL in MeOH	P-126S	1 mL
1000 µg/mL in Hexane	P-126S-H-10X	1 mL

Tolban, see Profthuralin

Tolclofos-methyl

O-(2,6-Dichloro-p-tolyl) O,O-dimethyl phosphorothioate

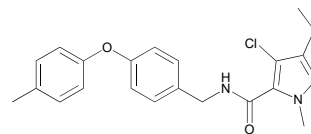


CAS 57018-04-9 **MF** C₉H₁₁Cl₂O₃PS **MW** 301.13
PS S **SG** 1.52 g/cm³ **MP** 78-80 °C **FP** >100 °C
BP Decomp. 120 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-557N	10 mg
100 µg/mL in MeOH	P-557S	1 mL

Tolfenpyrad

4-Chloro-3-ethyl-1-methyl-N-[4-(p-tolylloxy)benzyl]pyrazole-5-carboxamide



CAS 129558-76-5 **MF** C₂₁H₂₂ClN₃O₂ **MW** 383.88
PS S **MP** 87-89 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
NEAT	P-1097N	10 mg
100 µg/mL in AcCN	P-1097S-CN-10X	1 mL

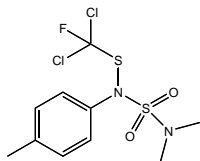
Tolyfluaniid metabolite, see DMST



Pesticide Standards

Tolyfluanide

N-Dichlorofluoromethylthio-N',N'-dimethyl-N-p-tolylsulfamide



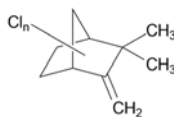
CAS 731-27-1 **MF** C₁₀H₁₃Cl₂FN₂O₂S₂ **MW** 347.26
PS S **SG** 1.52 g/cm³ **MP** 93 °C **BP** Decomp. 200 °C
FP >150 °C **SOL** M,A,D,T,CN,TP,IPA,EA

Matrix	Cat. No.	Unit
NEAT	P-553N	10 mg
100 µg/mL in MeOH	P-553S	1 mL

Torak, see *Dialifos*

Tordon, see *Picloram*

Toxaphene



Campecholor

CAS 8001-35-2 **MF** C₁₀H₁₆Cl₈ **MW** 413.81 **PS S**
SG 1.65 g/cm³ **MP** 65-90 °C **BP** Decomp.
FP 135 °C **SOL** M,A,D,H,T,CN,TP,EA

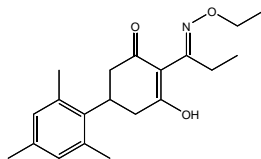
Matrix	Cat. No.	Unit
NEAT	P-093N	10 mg
100 µg/mL in MeOH	P-093S	1 mL
1000 µg/mL in MeOH	P-093S-10X	1 mL
40,000 µg/mL in MeOH	P-093S-40X	1 mL
50,000 µg/mL in MeOH	P-093S-50X	1 mL
1000 µg/mL in Hexane	P-093S-H-10X	1 mL

2,4,5-TP, see *Silvex*

2,4,5-TP methyl ester, see *Silvex methyl ester*

Tralkoxydim

2-[1-(Ethoxyimino)propyl]-3-hydroxy-5-mesitylcyclohex-2-enone

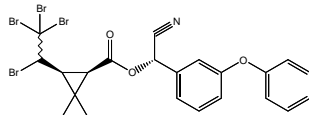


CAS 87820-88-0 **MF** C₂₀H₂₇NO₃ **MW** 329.43 **PS S**
SG 1.16 g/cm³ **MP** 106 °C **BP** Decomp. 129 °C
FP >100 °C **SOL** H,M,A,EA,T,D

Matrix	Cat. No.	Unit
NEAT	P-405N	10 mg
100 µg/mL in MeOH	P-405S	1 mL

Tralomethrin

Cyano(3-phenoxyphenyl)methyl 2,2-dimethyl-3-[1,2,2,2-tetrabromoethyl]cyclopropanecarboxylate

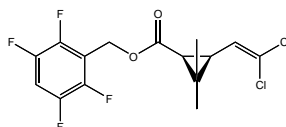


CAS 66841-25-6 **MF** C₂₂H₁₉Br₄NO₃ **MW** 665.01
PS S **SG** 1.70 g/cm³ **MP** 138-148 °C **FP** 26 °C
SOL A,D,T,DMSO,H,CN

Matrix	Cat. No.	Unit
NEAT	P-478N	10 mg
100 µg/mL in MeOH	P-478S	1 mL

Transfluthrin

2,3,5,6-Tetrafluorobenzyl (1R,3S)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate



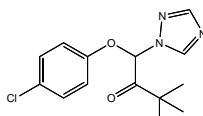
CAS 118712-89-3 **MF** C₁₅H₁₂Cl₂F₄O₂ **MW** 371.15
PS S **SG** 1.51 g/cm³ **BP** 135 °C (0.07mm Hg)
MP 32 °C **FP** >35 °C **SOL** M,CN,T,H,D

Matrix	Cat. No.	Unit
NEAT	P-743N	10 mg
100 µg/mL in MeOH	P-743S	1 mL

Treflan, see *Trifluralin*

Triadimefon

1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-one



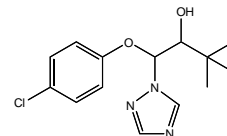
Bayleton

CAS 43121-43-3 **MF** C₁₄H₁₆ClN₃O₂ **MW** 293.75
PS S **SG** 1.22 g/cm³ **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

Triadimenol

(1RS,2RS;1RS,2SR)-1-(4-Chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)butan-2-ol

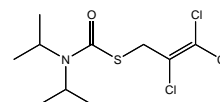


CAS 55219-65-3 **MF** C₁₄H₁₈ClN₃O₂ **MW** 295.76
PS S **SG** 1.24 g/cm³ **MP** 110 °C
BP Decomp. 270 °C **SOL** M,A,T,CN,D,IPA,H

Matrix	Cat. No.	Unit
NEAT	P-361N	10 mg
100 µg/mL in MeOH	P-361S	1 mL

Triallate

S-2,3,3-Trichloroallyl diisopropyl(thiocarbamate)



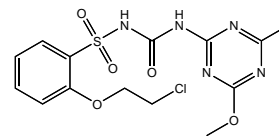
Far-Go

CAS 2303-17-5 **MF** C₁₀H₁₆Cl₃NOS **MW** 304.66
PS S **SG** 1.27g/cm³ **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

Triasulfuron

2-(2-Chloroethoxy)-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)carbamoyl]benzenesulfonamide



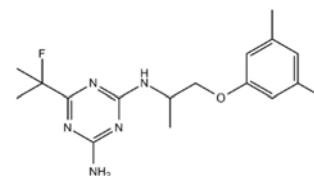
Amber

CAS 82097-50-5 **MF** C₁₄H₁₆ClN₃O₅S **MW** 401.83
PS S **SG** 1.5 g/cm³ **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 AcCN	P-592S-CN	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** C₁₇H₂₄FN₅O **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



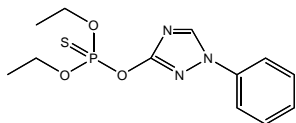
Pyrrrodiazole

CAS 288-88-0 **MF** C₂H₃N₃ **MW** 69.07 **PS** S
SG 1.39 g/cm³ **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

Triazophos

O,O-Diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate

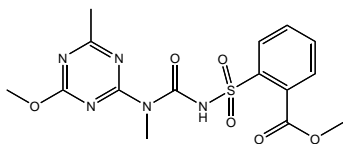


CAS 24017-47-8 **MF** C₁₂H₁₆N₃O₃PS **MW** 313.31
PS L **SG** 1.25 g/cm³ **BP** Decomp. 140 °C
FP 193 °C **SOL** A,D,M,IPA,EA,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-334N	10 mg
100 µg/mL in MeOH	P-334S	1 mL

Tribenuron-methyl

Methyl 2-[4-methoxy-6-methyl-1,3,5-triazin-2-yl(methyl)carbamoylsulfomoyl]benzoate



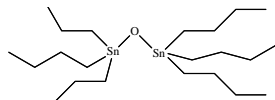
CAS 101200-48-0 **MF** C₁₅H₁₇N₅O₆S **MW** 395.39
PS S **SG** 1.54 g/cm³ **BP** Decomp. 175 °C
MP 141 °C **SOL** W,A,CN,EA,M,D

Matrix	Cat. No.	Unit
NEAT	P-666N	10 mg
100 µg/mL in AcCN	P-666S-CN	1 mL

Tribufos, see DEF 6

bis(Tributyltin)oxide

Tributyltin oxide



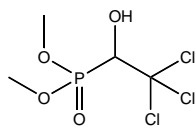
Hexabutyldistannoxane

CAS 56-35-9 **MF** C₂₄H₅₄OSn₂ **MW** 596.1 **PS** L
SG 1.17 g/cm³ **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
100 µg/mL in MeOH	P-455S	1 mL
1000 µg/mL in MeOH	P-455S-10X	1 mL

Trichlorfon

Dimethyl 2,2,2-trichloro-1-hydroxyethylphosphonate

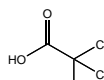


Chlorophos, Tugon

CAS 52-68-6 **MF** C₄H₇Cl₃O₄P **MW** 257.44 **PS** S
SG 1.73 g/cm³ **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

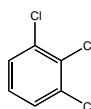


TCA

CAS 76-03-9 **MF** C₂HCl₃O₂ **MW** 163.39 **PS** S
SG 1.6 g/cm³ **MP** 55-58 °C **BP** 196-197 °C
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-459N	10 mg
100 µg/mL in MeOH	P-459S	1 mL
100 µg/mL in AcCN	P-459S-CN	1 mL

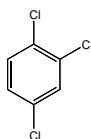
1,2,3-Trichlorobenzene



CAS 87-61-6 **MF** C₆H₃Cl₃ **MW** 181.45 **PS** S
SG 1.69 g/cm³ **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

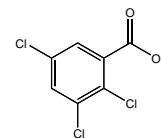
1,2,4-Trichlorobenzene



CAS 120-82-1 **MF** C₆H₃Cl₃ **MW** 181.45 **PS** L
SG 1.45 g/cm³ **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

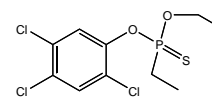


CAS 50-73-7 **MF** C₇H₃Cl₃O₂ **MW** 225.46 **PS** S
SG 1.64 g/cm³ **MP** 166-167 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-508N	10 mg
100 µg/mL in MeOH	P-508S	1 mL
100 µg/mL in AcCN	P-508S-CN	1 mL

Trichloronate

O-Ethyl O-2,4,5-trichlorophenyl ethylphosphonothioate

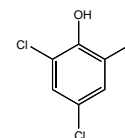


Agritox

CAS 327-98-0 **MF** C₁₀H₅Cl₃O₃PS **MW** 333.6 **PS** L
SG 1.36 g/cm³ **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

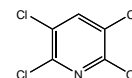


CAS 88-06-2 **MF** C₆H₃Cl₃O **MW** 197.45 **PS** S
SG 1.49 g/cm³ **MP** 70 °C **BP** 246 °C **FP** 99 °C
SOL M,A,D,T,CN,EA

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** C₅H₂Cl₃NO **MW** 198.43 **PS** S
SG 1.67 g/cm³ **MP** 175-177 °C **SOL** M

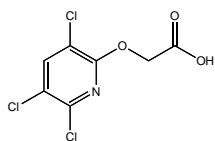
Matrix	Cat. No.	Unit
NEAT	P-626N	10 mg
100 µg/mL in MeOH	P-626S	1 mL

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Triclopyr

3,5,6-Trichloro-2-pyridyloxyacetic acid



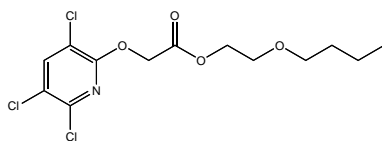
Garlon

CAS 55335-06-3 **MF** C₈H₄Cl₃NO₃ **MW** 256.47
PS S **SG** 1.85 g/cm³ **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 AcCN	P-289S-CN	1 mL

Triclopyr-2-butoxy ethyl ester

2-Butoxyethyl 3,5,6-Trichloro-2-pyridyloxyacetate

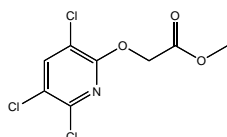


CAS 64700-56-7 **MF** C₁₃H₁₆Cl₃NO₄ **MW** 356.63
PS L **SG** 1.33 g/cm³ **BP** 370 °C **SOL** CN

Matrix	Cat. No.	Unit
NEAT	P-703N	10 mg
100 µg/mL in AcCN	P-703S-CN	1 mL

Triclopyr methyl ester

Methyl 3,5,6-Trichloro-2-pyridyloxyacetate



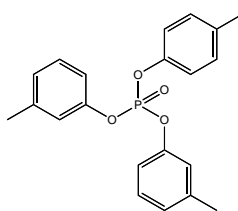
3,5,6-Trichloro-2-pyridyloxyacetic acid methyl ester

CAS 60825-26-5 **MF** C₉H₆Cl₃NO₃ **MW** 270.5 **PS** S
SG 1.51 g/cm³ **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

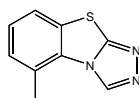
CAS 1330-78-5 **MF** C₂₁H₂₂O₄P **MW** 368.36
PS L **SG** 1.17 g/cm³ **BP** 265 °C (10mm Hg)
FP >250 °C **SOL** M,H,T,CN

Matrix	Cat. No.	Unit
NEAT	P-209N	10 mg
100 µg/mL in MeOH	P-209S	1 mL

Tricresylphosphate, see Tricresyl phosphate

Tricyclazole

5-Methyl-1,3,4-triazolo[3,4-b][1,3]benzothiazole



Beam

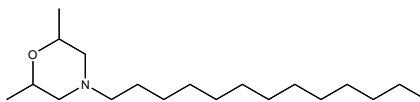
CAS 41814-78-2 **MF** C₉H₇N₃S **MW** 189.24 **PS** S
SG 1.40 g/cm³ **MP** 187-188 °C **BP** 275 °C
SOL M,A,D,H,W,EA

Matrix	Cat. No.	Unit
NEAT	P-090N	10 mg
100 µg/mL in MeOH	P-090S	1 mL

Tricyclohexyltin hydroxide, see Cyhexatin

Tridemorph

2,6-Dimethyl-4-tridecylmorpholine

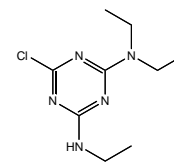


CAS 24602-86-6 **MF** C₁₉H₃₉NO **MW** 297.52 **PS** L
SG 0.86 g/cm³ **BP** 134 °C (0.5mm Hg) **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-307N	10 mg
100 µg/mL in MeOH	P-307S	1 mL

Trietazine

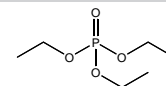
6-Chloro-N,N,N'-triethyl-1,3,5-triazine-2,4-diamine



CAS 1912-26-1 **MF** C₉H₁₆ClN₅ **MW** 229.71 **PS** S
SG 1.22 g/cm³ **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

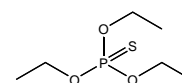
Triethylphosphate



CAS 78-40-0 **MF** C₆H₁₅O₄P **MW** 182.15 **PS** L
SG 1.07 g/cm³ **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

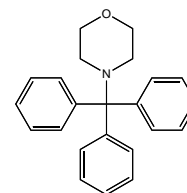


CAS 126-68-1 **MF** C₆H₁₅O₃PS **MW** 198.22 **PS** L
SG 1.08 g/cm³ **BP** 220 °C **FP** 75 °C
SOL M,A,D,H,CN

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

4-(Triphenylmethyl)morpholine



4-Tritylmorpholine

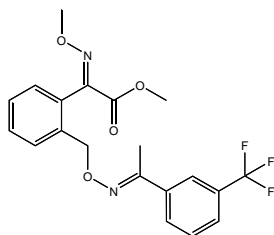
CAS 1420-06-0 **MF** C₂₃H₂₃NO **MW** 329.43 **PS** S
MP 174-176 °C **SOL** M

Matrix	Cat. No.	Unit
NEAT	P-300N	10 mg
100 µg/mL in MeOH	P-300S	1 mL



Trifloxystrobin

Methyl (E)-methoxyimino-((E)--a-[1-(a,a,a-trifluoro-m-tolyl)ethylideneaminoxy]-o-tolyl)acetate

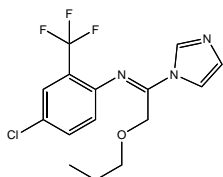


CAS 141517-21-7 **MF** C₂₀H₁₉F₃N₂O₄ **MW** 408.37
PS S SG 1.36 g/cm³ **MP** 73 °C **FP** >70 °C
BP Decomp. 285 °C **SOL** M,A,D,T,CN,H,EA

Matrix	Cat. No.	Unit
NEAT	P-867N	10 mg
100 µg/mL in AcCN	P-867S-CN	1 mL

Triflumizole

1-(1-((4-Chloro-2-(trifluoromethyl)phenyl)imino)-2-propoxyethyl)-1H-imidazole

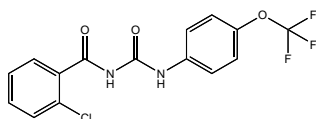


CAS 68694-11-1 **MF** C₁₅H₁₅ClF₃N₃O **MW** 345.75
PS S SG 1.38 g/cm³ **MP** 64 °C **SOL** W,H,A,M,CN

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-479S-CN	1 mL

Triflumuron

2-Chloro-N-[[[4-(trifluoromethoxy)phenyl]amino]carbonyl]benzamide

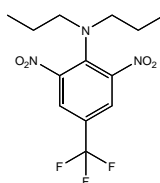


CAS 64628-44-0 **MF** C₁₅H₁₀ClF₃N₂O₃ **MW** 358.7
PS S SG 1.55 g/cm³ **MP** 195 °C
BP Decomp. 360 °C **SOL** D,IPA,T,M,A,EA,CN

Matrix	Cat. No.	Unit
NEAT	P-689N	10 mg
100 µg/mL in MeOH	P-689S	1 mL

Trifluralin

alpha,alpha,alpha-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine



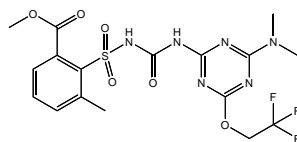
Triflan

CAS 1582-09-8 **MF** C₁₃H₁₆F₃N₃O₄ **MW** 335.28
PS S SG 1.36 g/cm³ **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

Triflusulfuron-methyl

Methyl 2-[4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-ylaminocarbonylamino]sulfonate

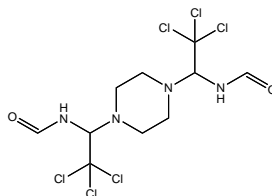


CAS 126535-15-7 **MF** C₁₇H₁₉F₃N₆O₆S **MW** 492.43
PS S SG 1.45 g/cm³ **MP** 160-163 °C **FP** >150 °C
SOL W,D,A,M,T,CN,EA,H

Matrix	Cat. No.	Unit
NEAT	P-840N	10 mg
100 µg/mL in AcCN	P-840S-CN	1 mL

Triforine

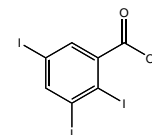
N,N'-[Piperazine-1,4-diylbis(trichloromethyl)methylene]diforamide



CAS 26644-46-2 **MF** C₁₀H₁₄Cl₆N₄O₂ **MW** 434.96
PS S SG 1.55 g/cm³ **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

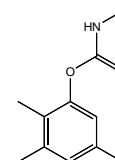


CAS 88-82-4 **MF** C₇H₃I₃O₂ **MW** 499.81 **PS S**
MP 224-226 °C **SOL** M,CN

Matrix	Cat. No.	Unit
NEAT	P-507N	10 mg
100 µg/mL in MeOH	P-507S	1 mL
100 µg/mL in AcCN	P-507S-CN	1 mL

2,3,5-Trimethacarb

2,3,5-Trimethylphenyl methylcarbamate

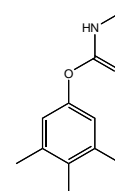


CAS 2655-15-4 **MF** C₁₁H₁₅NO₂ **MW** 193.24 **PS S**
MP 122-123 °C **BP** 288 °C **FP** 100 °C **SOL** M,A

Matrix	Cat. No.	Unit
NEAT	P-515N	10 mg
100 µg/mL in MeOH	P-515S	1 mL

3,4,5-Trimethacarb

3,4,5-Trimethylphenyl methylcarbamate



3,4,5-Trimethylphenyl methylcarbamate acid ester

CAS 2686-99-9 **MF** C₁₁H₁₅NO₂ **MW** 193.24 **PS S**
SG 1.05 g/cm³ **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

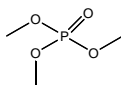
3,4,5-Trimethylphenyl methylcarbamate acid ester, see 3,4,5-Trimethacarb

▲ Pesticides containing a carboxyl group may autoesterify in Methanol. These standards are intended for use after making the methyl derivative. For analysis of the parent compound we suggest a non-hydroxylic solvent such as Acetonitrile.



Trimethyl phosphate

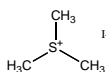
Phosphoric acid, trimethyl ester



CAS 512-56-1 **MF** C₃H₉O₄P **MW** 140.07 **PS** L
SG 1.20 g/cm³ **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

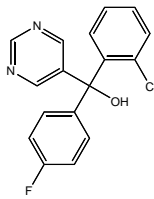


CAS 2181-42-2 **MF** C₃H₉IS **MW** 204.07 **PS** S
MP 215-220 °C **SOL** M

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

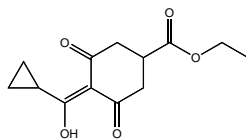


Nuarimol

CAS 63284-71-9 **MF** C₁₅H₁₂ClFN₂O **MW** 314.74
PS S **SG** 0.70 g/cm³ **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

Trinexapac-ethyl

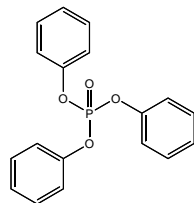


CAS 95266-40-3 **MF** C₁₃H₁₆O₅ **MW** 252.26 **PS** S
SG 1.22 g/cm³ **MP** 36 °C **BP** >270 °C **FP** 133 °C
SOL W,A,T,H,M,CN

Matrix	Cat. No.	Unit
NEAT	P-1034N	10 mg
100 µg/mL in MeOH	P-1034S	1 mL

Triphenylphosphate

Phosphoric acid, triphenyl ester

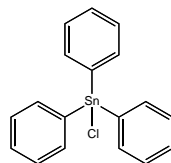


CAS 115-86-6 **MF** C₁₈H₁₅O₄P **MW** 326.28 **PS** S
SG 1.27 g/cm³ **MP** 50 °C **BP** 244 °C (10mm Hg)
FP 220 °C **SOL** M,A,D,H,T,CN,TP

Matrix	Cat. No.	Unit
NEAT	P-192N	10 mg
100 µg/mL in MeOH	P-192S	1 mL

Triphenyltin chloride

Chlorotriphenylstannane



Fentin chloride

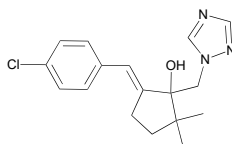
CAS 639-58-7 **MF** C₁₈H₁₅Cl₂Sn **MW** 385.47 **PS** S
MP 103-106 °C **BP** 240 °C (135mm Hg)
FP >110 °C **SOL** M,D

Matrix	Cat. No.	Unit
NEAT	P-526N	10 mg
100 µg/mL in MeOH	P-526S	1 mL

Trithion, see *Carbophenothion*

Triticonazole

(RS)-(E)-5-(4-Chlorobenzylidene)-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol



CAS 131983-72-7 **MF** C₁₇H₂₀ClN₃O **MW** 317.82
PS S **SG** 1.326 g/cm³ **MP** 139-141 °C
SOL A,CN,EA,M,TP

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-868S-CN	1 mL
1000 µg/mL in AcCN	P-868S-CN-10X	1 mL

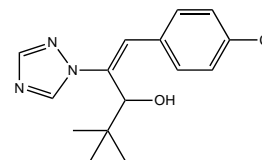
4-Tritylmorpholine, see *Trifenmorph*

Trizilin, see *Nitrofen*

Tugon, see *Trichlorfon*

Uniconazole

1H-1,2,4-Triazole-1-ethanol, b-[(4-chlorophenyl)methylene]-a-(1,1-dimethylethyl)-



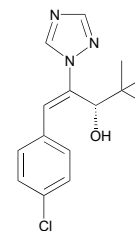
CAS 83657-22-1 **MF** C₁₅H₁₈ClN₃O **MW** 291.78
PS S **SG** 1.28 g/cm³ **MP** 147-164 °C **SOL** M,CN,H

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1092S-CN	1 mL

Urethane, see *Ethyl carbamate*

Uniconazole-P

(1E,3S)-1-(4-Chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)-1-penten-3-ol

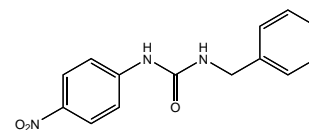


CAS 83657-17-4 **MF** C₁₅H₁₈ClN₃O **MW** 291.78
PS S **SG** 1.28 g/cm³ **MP** 152-156 °C **BP** 475 °C
FP 195 °C **SOL** A,CN,M

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-1113S-CN	1 mL
1000 µg/mL in AcCN	P-1113S-CN-10X	1 mL

Vacor

1-(3-Pyridylmethyl)-3-(4-nitrophenyl)urea



Pyrinuron

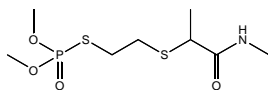
CAS 53558-25-1 **MF** C₁₃H₁₂N₄O₃ **MW** 272.26 **PS** S
SG 1.38 g/cm³ **MP** 223-225 °C (decomp.)
SOL M,CN

Matrix	Cat. No.	Unit
NEAT	P-240N	10 mg
100 µg/mL in MeOH	P-240S	1 mL



Vamidothion

O,O-Dimethyl S-2-(1-methylcarbamoylethylthio) ethyl phosphorothioate



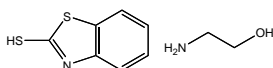
Kilval

CAS 2275-23-2 MF C₈H₁₆NO₂PS₂ 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 MeOH	P-350S	1 mL

Vanicide-20S

Phorate sulfonate



CAS N/A MF C₇H₅NS₂•C₂H₇NO 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

Vapona, see *Dichlorvos*

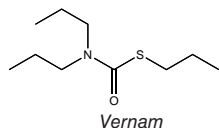
Vegadex, see *Sulfallate*

Vendex, see *Fenbutatin oxide*

Vernam, see *Vernolate*

Vernolate

S-Propyl dipropylthiocarbamate



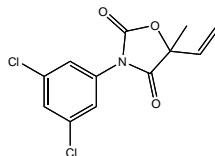
Vernam

CAS 1929-77-7 MF C₁₀H₂₁NOS MW 203.38 PS L
SG 0.95 g/cm³ 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

Vinclozolin

(RS)-3-(3,5-Dichlorophenyl)-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione



CAS 50471-44-8 MF C₁₂H₉Cl₂NO₃ MW 286.11
PS S SG 1.51 g/cm³ 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

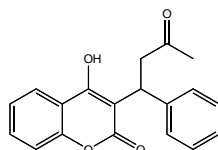
Voltage, see *Pyraclufos*

Vulcan, see *Flumioxazin*

Vydate, see *Oxamyl*

Warfarin

(RS)-4-Hydroxy-3-(3-oxo-1-phenylbutyl)coumarin

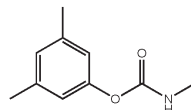


CAS 81-81-2 MF C₁₉H₁₆O₄ MW 308.33 PS S
SG 1.31 g/cm³ MP 161-162 °C BP Decomp.
SOL A,M,EA

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 C₁₀H₁₃NO₂ MW 179.22 PS S
SG 0.54 g/cm³ MP 99 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-1085N	10 mg
100 µg/mL in MeOH	P-1085S	1 mL

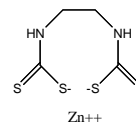
Zectran, see *Mexacarbate*

Zinc bis(dimethyldithiocarbamate), see *Ziram*

Zinc propylenebis(dithiocarbamate), see *Propineb*

Zineb

Zinc ethylenebis(dithiocarbamate)



Zn⁺⁺

1,2-Ethanediylbiscarbamodithioic acid, zinc complex,
Lonacol

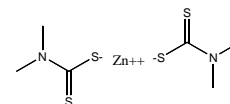
CAS 12122-67-7 MF C₄H₄N₂S₄•Zn MW 275.76
PS S SG 1.74 g/cm³ MP 157 °C (decomp.)
FP 90 °C SOL M

Matrix	Cat. No.	Unit
NEAT	P-098N	10 mg

Zinophos, see *Thionazin*

Ziram

Zinc dimethyldithiocarbamate



Zinc bis(dimethyldithiocarbamate)

CAS 137-30-4 MF C₆H₁₂N₂S₂Zn MW 305.83 PS S
SG 1.66 g/cm³ MP 251-253 °C SOL A,M,T,H,EA

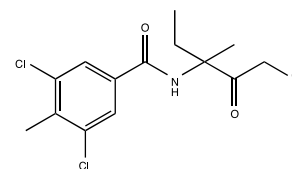
Matrix	Cat. No.	Unit
NEAT	P-324N	10 mg
100 µg/mL in MeOH	P-324S	1 mL

Zolone, see *Phosalone*

Zorvec, see *Oxathiapiprolin*

Zoxamide

3,5-Dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-p-toluamide



CAS 156052-68-5 MF C₁₄H₁₆Cl₃NO₂ MW 336.64
PS S SG 1.38 g/cm³ MP 159-162 °C
SOL A,CN,EA

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-970S-CN	1 mL

Zymoxanil, see *Cymoxanil*





Additional Pesticides

Cannabis Analysis State and Regional Specific	110-111
Neonicotinoid and Fipronil Honeybee Colony Collapse Disorder (CCD)	112
Triazines and Metabolites	113-114
Pesticide / Herbicide Kits and Mixes	114
Methods	115-142
CLPs	116
EPA Method 500 Series	117-124
National Primary Drinking Water Standards	125
EPA Method 600 Series	126-128
EPA Method 1300 Series	129
EPA Method 1600 Series	130-132
EPA Method 8000 Series	133-139
Regional Methodologies	140-142



Cannabis Analysis

California Cannabis Residual Pesticides

California Category I Residual Pesticide Mix

CP-CA-01 1 mL
100 µg/mL each in Acetonitrile 20 comps.

Alar	Dichlorvos	Methiocarb
Aldicarb	Dimethoate	Mevinphos
Baygon	Ethoprop	Paclbutrazol
Carbofuran	Etofenprox	Parathion-methyl
Chlorfenapyr	Fenoxycarb	Spiroxamine
Coumaphos	Fipronil	Thiacloprid
Dursban	Imazalil	

California Category II Residual Pesticide (Single) (Chlordane tech)

CP-CA-02 1 mL
100 µg/mL in Methanol
Chlordane (tech)

California Category III Residual Pesticide Mix

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	Tilt
Dimethomorph	Methomyl	Trifloxystrobin
Fenhexamid	Myclobutanil	

California Category IV Residual Pesticide Mix

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-nitrobenzene	Spiromesifen
Cypermethrin		

Colorado Cannabis Residual Pesticides

Colorado Cannabis Residual Pesticide Mix

CP-CO-01 1 mL
100 µg/mL each in Acetonitrile 13 comps.

Abamectin	Imidacloprid	Spinosad
Azoxystrobin	Malathion	Spiromesifen
Bifenazate	Myclobutanil	Spirotetramat
Etoazole	Permethrin	Tebuconazol
Imazalil		

Massachusetts Cannabis Residual Pesticides

Massachusetts Cannabis Residual Pesticide Mix

CP-MA-01 1 mL
100 µg/mL each in Acetonitrile 9 comps.

Bifenazate	Etoazole	Myclobutanil
Bifenthrin	Imazalil	Spiromesifen
Cyfluthrin	Imidacloprid	Trifloxystrobin

Nevada Cannabis Residual Pesticides

Nevada Cannabis Residual Pesticide Mix

CP-NV-PEST 1 mL
100 µg/mL each in Acetonitrile 25 comps.

Abamectin	Etoazole	Pyrethrins
Acequinocyl	Fenhexamid	Quintozene
Alar	Fonicamid	Spinetoram
Bifenazate	Fludioxonil	Spinosad
Bifenthrin	Imazalil	Spirotetramat
Captan	Imidacloprid	Thiamethoxam
Cyfluthrin	Myclobutanil	Thiophanate-methyl
Cypermethrin	Piperonyl butoxide	Trifloxystrobin
Dimethomorph		

Oregon Cannabis Residual Pesticides

The Oregon Health Association (OHA) has classified and submitted three prioritized groupings of residue cannabis pesticides:

- Fungicides
- Pyrethroids
- Organophosphates

In June of 2015, a white paper titled "Pesticide Use on Cannabis" published by the Cannabis Safety Institute originally contained 188 active compounds.

From the targeted 188 active compounds, a working group with the OHA had numerous analytical laboratories study the toxicological effects and the historical natural application of each of the compounds for crop and human ingestion. The results reduced the original number of targeted compounds to 59 pesticides. These pesticides remain on the State of Oregon list. AccuStandard, Inc. offers three individual mixes of these 59 compounds.

Oregon Cannabis Residual Pesticide Set

CP-ORE-SET 3 x 1 mL
CP-ORE-01, CP-ORE-02, CP-ORE-03

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	Dursban	Naled
Bifenthrin	Ethoprop	Permethrin
Cyfluthrin	Etofenprox	Phosmet
Cypermethrin	Malathion	Prallethrin
Diazinon	Methyl parathion	Pyrethrins
Dimethoate		

Oregon Cannabis Residual Pesticide Mix 3

CP-ORE-03 1 mL
100 µg/mL each in Acetonitrile 23 comps.

Acetamiprid	Fludioxonil	Propiconazole
Azoxystrobin	Imazalil	Pyridaben
Bifenazate	Kresoxim-methyl	Spiromesifen
Boscalid	Metalaxyl	Spiroxamine
Chlorfenapyr	MGK-264	Tebuconazol
Dichlorvos	Myclobutanil	Thiacloprid
Etoazole	Paclbutrazol	Trifloxystrobin
Fipronil	Piperonyl butoxide	



Canada Cannabis Residual Pesticides

Canada Cannabis Pesticide Set

CP-CAN-SET

5 x 1 mL

CP-CAN-01, CP-CAN-02, CP-CAN-03, CP-CAN-04, P-711S

Canada Cannabis Pesticide Mix 1

CP-CAN-01

100 µg/mL each in Acetonitrile

1 mL

36 comps.

Allethrin	Endosulfan II	Phenothrin
Buprofezin	Endosulfan sulfate	Pirimicarb
Clothianidin	Etridiazole	Pyraclostrobin
Coumaphos	Fensulfothion	Quintozene
Cyantraniliprole	Fenthion	Resmethrin
Cyprodinil	Fenvalerate	Spinetoram
Deltamethrin	Fluopyram	Spirodiclofen
Dichlorvos	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
Clofentazine	Imidacloprid	Thiamethoxam
Clofentazine	Methiocarb	

Canada Cannabis Pesticide Mix 3

CP-CAN-03

100 µg/mL each in Acetonitrile

1 mL

23 comps.

Acetamiprid	Fludioxonil	Propiconazole
Azoxystrobin	Imazalil	Pyridaben
Bifenazate	Kresoxim-methyl	Spiromesifen
Boscalid	Metalaxyl	Spiroxamine
Chlorfenapyr	MGK-264	Tebuconazol
Dichlorvos	Myclobutanil	Thiacloprid
Etoazazole	Pacllobutrazol	Trifloxystrobin
Fipronil	Piperonyl butoxide	

Canada Cannabis Pesticide Mix 4

CP-CAN-04

100 µg/mL each in Acetonitrile

1 mL

16 comps.

Acephate	Dursban	Naled
Bifenthrin	Ethoprop	Permethrin
Cyfluthrin	Etofenprox	Phosmet
Cypermethrin	Malathion	Prallethrin
Diazinon	Methyl parathion	Pyrethrins
Dimethoate		

Azadirachtin

P-711S

100 µg/mL in Methanol

1 mL





Honeybee Colony Collapse Disorder (CCD)

Neonicotinoids and Fipronils (CCD)

On-going research into honeybee colony collapse disorder (CCD) has revealed that this group of pesticides may be a contributing factor which, may be solely responsible or working synergistically contributing to honeybee decline. Included in this group are the Neonicotinoid pesticides. Fipronil and Fipronil metabolites also 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	AcCN	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	AcCN	1 mL
Furathiocarb	65907-30-4	P-569N	10 mg	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	AcCN	1 mL
Sulfoxaflor	946578-00-3	----	-----	P-1133S	MeOH	1 mL
Thiacloprid	111988-49-9	P-838N	10 mg	P-838S-CN	AcCN	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	AcCN	1 mL

Fipronils

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
Fipronil desulfinyl	205650-65-3	----	-----	P-738S-A	Acetone	1 mL
Fipronil sulfide	120067-83-6	P-781N-5MG	5 mg	P-782S-A	Acetone	1 mL
Fipronil sulfone	120068-36-2	----	-----	P-781S-A	Acetone	1 mL
Fipronil and Metabolite Kit				P-FIP-MET-KIT		4 x 1 mL
				P-738S-A, 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.



Triazines and Metabolites



The controversy over potential human health hazards, resulting from the use of atrazine and other triazine herbicides has renewed an interest in analyzing these compounds. Triazine herbicides are one of the most used agricultural chemicals in the United States. They 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.

Triazines and Metabolites

Compound	CAS	Cat. No.	Matrix	Unit
Ametryn	834-12-8	P-003N	NEAT	10 mg
		P-003S	100 µg/mL in MeOH	1 mL
Ammeline (Atrazine-desethyl-desisopropyl-2-hydroxy)	645-92-1	-----	* Custom	
Anilazine	101-05-3	P-287N	NEAT	10 mg
		P-287S-H	100 µg/mL in Hexane:Acetone(80:20)	1 mL
Atrazine	1912-24-9	P-005N	NEAT	10 mg
		P-005S	100 µg/mL in MeOH	1 mL
Atrazine desethyl	6190-65-4	P-343N	NEAT	10 mg
		P-343S	100 µg/mL in MeOH	1 mL
Atrazine-desethyl-2-hydroxy	19988-24-0	P-544S	100 µg/mL in MeOH	1 mL
Atrazine-desethyl-desisopropyl	3397-62-4	P-428N	NEAT	10 mg
		P-428S	100 µg/mL in MeOH	1 mL
Atrazine-desisopropyl	1007-28-9	P-345N	NEAT	10 mg
		P-345S	100 µg/mL in MeOH	1 mL
Atrazine-desisopropyl-2-hydroxy	7313-54-4	P-344N	NEAT	10 mg
		P-334S-MC	100 µg/mL in Methyl cellosolve	1 mL
2-Chloro-4-ethylamino-6-methylethylamino-s-triazine		P-539N	NEAT	10 mg
		P-539S-MC	100 µg/mL in Methyl cellosolve	1 mL
2-Chloro-4-ethylamino-6-propylamino-s-triazine	90952-64-0	P-537N	NEAT	10 mg
		P-537S-MC	100 µg/mL in Methyl cellosolve	1 mL
2-Chloro-4-methylamino-6-sec-butylamino-s-triazine		P-540N	NEAT	10 mg
		P-540S-MC	100 µg/mL in Methyl cellosolve	1 mL
2-Chloro-4-methylamino-6-diethylamino-s-triazine		P-541N	NEAT	10 mg
		P-541S-MC	100 µg/mL in Methyl cellosolve	1 mL
2,3-Diuron (3-(2,3-Dichlorophenyl)-1,1-dimethylurea)		P-632N	NEAT	10 mg
		P-632S	100 µg/mL in MeOH	1 mL
Cyanazine	21725-46-2	P-175N	NEAT	10 mg
		P-175S	100 µg/mL in MeOH	1 mL
Cyprazine	22936-86-3	P-420N	NEAT	10 mg
		P-420S	100 µg/mL in MeOH	1 mL
Cyromazine	66215-27-8	P-420S-H	100 µg/mL in Hexane	1 mL
		P-296N	NEAT	10 mg
Desmetryn	1014-69-3	P-296S	100 µg/mL in MeOH	1 mL
		P-566N	NEAT	10 mg
2,4-Dichloro-6-ethylamino-1,3,5-triazine	3440-19-5	P-566S	100 µg/mL in MeOH	1 mL
		P-538N	NEAT	10 mg
Dimepax	22936-75-0	P-538S-MC	100 µg/mL in Methyl cellosolve	1 mL
		P-643N	NEAT	10 mg
Dipropetryn	4147-51-7	P-643S	100 µg/mL in MeOH	1 mL
		P-580N	NEAT	10 mg
2,4-bis(Ethylamino)-6-diethylamino-s-triazine		P-580S	100 µg/mL in MeOH	1 mL
		P-536N	NEAT	10 mg
Gesatamine (Atrazine-methoxy)	1610-17-9	P-536S-MC	100 µg/mL in Methyl cellosolve	1 mL
		P-189N	NEAT	10 mg
2-Hydroxyatrazine (Atrazine-2-hydroxy)	2163-68-0	P-189S	100 µg/mL in MeOH	1 mL
		P-326S	100 µg/mL in MeOH:Acetone(98:2)	1 mL
Imazethapyr	81335-77-5	P-326S-MC	100 µg/mL in Methyl cellosolve	1 mL
		P-285S	100 µg/mL in MeOH	1 mL
Indaziflam	950782-86-2	P-1168S-CN	100 µg/mL in AcCN	1 mL
Irgarol	28159-98-0	P-746N	NEAT	10 mg
		P-746S	100 µg/mL in MeOH	1 mL
2-Isopropylamino-4,6-dichloro-s-triazine	3703-10-4	P-635N	NEAT	10 mg
		P-635S	100 µg/mL in MeOH	1 mL
Methoprotryne	841-06-5	P-564N	NEAT	10 mg
		P-564S	100 µg/mL in MeOH	1 mL
2-Monuron		P-633N	NEAT	10 mg
		P-633S	100 µg/mL in MeOH	1 mL
Prometon	1610-18-0	P-077N	NEAT	10 mg
		P-077S	100 µg/mL in MeOH	1 mL
Prometryne	7287-19-6	P-078N	NEAT	10 mg
		P-078S	100 µg/mL in MeOH	1 mL
Propazine	139-40-2	P-079N	NEAT	10 mg
		P-079S	100 µg/mL in MeOH	1 mL
Sebuthylazin	7286-69-3	P-432N	NEAT	10 mg
		P-432S	100 µg/mL in MeOH	1 mL
Secbumeton	26259-45-0	P-165N	NEAT	10 mg
		P-165S	100 µg/mL in MeOH	1 mL
Simazine	122-34-9	P-085N	NEAT	10 mg
		P-085S	100 µg/mL in MeOH	1 mL
Simazine-2-hydroxy	2599-11-3	P-1191S	100 µg/mL in MeOH	1 mL

* For custom products, please contact Technical Dept.

Triazines and Metabolites continued on next page



Triazines, Pesticides-Herbicides: Kits & Mixtures

Triazines and Metabolites (Cont.)

Compound	CAS	Cat. No.	Matrix	Unit
Simeton	673-04-1	P-501N	NEAT	10 mg
		P-501S	100 µg/mL in MeOH	1 mL
Simetryn	1014-70-6	P-166N	NEAT	10 mg
		P-166S	100 µg/mL in MeOH	1 mL
Terbumeton	33693-04-8	P-504N	NEAT	10 mg
		P-504S	100 µg/mL in MeOH	1 mL
Terbuthylazine	5915-41-3	P-169N	NEAT	10 mg
		P-169S	100 µg/mL in MeOH	1 mL
Terbuthylazine desethyl	30125-63-4	P-613N	NEAT	10 mg
		P-613S	100 µg/mL in MeOH	1 mL
Trietazine	1912-26-1	P-492N	NEAT	10 mg
		P-492S	100 µg/mL in MeOH	1 mL
Trietazine-desethyl	38902-68-0	-----	* Custom	

Pesticide Kits and Mixtures

Neat Pesticide Kit

Z-004-SET ❖

20 x 10 mg

Aldrin	p,p'-DDE	Lindane (γ -BHC)
α -BHC	o,p'-DDT	Malathion
β -BHC	p,p'-DDT	Methoxychlor
δ -BHC	Dieldrin	Mirex
o,p'-DDD	Heptachlor	Parathion
p,p'-DDD	Heptachlor epoxide	Carbaryl
o,p'-DDE	(Isomer B)	Toxaphene

Pesticide (Solid Waste) Kit

Z-017-SET

6 x 10 mg

2,4-D	Lindane	Silvex
Endrin	Methoxychlor	Toxaphene

Pesticide Mixture for Evaluating GC Columns

M-100

1 x 1 mL

At stated conc. (μ g/mL) in Isooctane

13 comps.

Aldrin	0.050	p,p'-DDT	0.260
α -BHC	0.025	Dieldrin	0.120
β -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 (γ -BHC)	0.025
o,p'-DDT	0.225		

Technical Note

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.

Pesticides in Solutions (Individual and Kits)

SOLUTIONS in Isooctane

Compound	Conc.	Cat. No.
Aldrin	200 ng/ μ L	P-002S-1
	2 ng/ μ L	P-002S-2
Chlordane	200 ng/ μ L	P-017S-1
	2 ng/ μ L	P-017S-2
2,4-D methyl ester	200 ng/ μ L	P-021S-1
p,p'-DDE	200 ng/ μ L	P-027S-1
	2 ng/ μ L	P-027S-2
p,p'-DDT	200 ng/ μ L	P-029S-1
	2 ng/ μ L	P-029S-2
Dieldrin	200 ng/ μ L	P-037S-1
	2 ng/ μ L	P-037S-2
Endrin	200 ng/ μ L	P-045S-1
	2 ng/ μ L	P-045S-2
Heptachlor	200 ng/ μ L	P-053S-1
	2 ng/ μ L	P-053S-2
Lindane	200 ng/ μ L	P-059S-1
	2 ng/ μ L	P-059S-2
Methoxychlor	200 ng/ μ L	P-064S-1
	2 ng/ μ L	P-064S-2
Silvex methyl ester	200 ng/ μ L	P-115S-1
Toxaphene	200 ng/ μ L	P-093S-1

Z-023-SET

21 x 1 mL

Technical Note

Designed for evaluating the ability of a column to separate pesticides and their degradation products.

❖ V-Rated packaging surcharge applies for international shipments.

Herbicide Kit and Mixtures

Herbicide Kit

Z-031-SET

15 x 1 mL

0.1 mg/mL each in MeOH

Atrazine	Prometon
Dicamba	Propanil
Benfluralin	Propazine
Bentazon +	Simazine
Dacthal	Tebuthiuron
Dichlobenil	Trifluralin
Metolachlor	
Prometryne	+ in Acetone

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	

Phenylurea Pesticide Mixtures

Phenylurea Pesticide Mixture

PES-PU-001

PES-PU-001-PAK

200 µg/mL each in AcCN:Acetone

SAVE

1 x 1 mL

5 x 1 mL

8 comps.

Diflurbenzuron	Fluometuron	Propanil	Tebuthiuron
Diuron	Linuron	Siduron	Thidiazuron

Phenylurea Surrogate Mixture

PES-PU-SS

PES-PU-SS-PAK

500 µg/mL each in MeOH:AcCN

SAVE

1 x 1 mL

5 x 1 mL

2 comps.

Carbazole	Monuron
-----------	---------



CLP	Pesticides	116
500 Series	Pesticide Methods for Drinking Water	117-124
505	Organohalide Pesticides by Microextraction (GC/ECD)	117
507	Nitrogen/Phosphorous Pesticides (GC/NPD)	117
508	Chlorinated Pesticides (GC/ECD)	117-118
508.1	Chlorinated Pesticides, Herbicides & Organo-halides (GC/ECD)	118
515.1 & 515.2	Chlorinated Acids in Water (GC/ECD)	119
515.3 & 515.4	Chlorinated Acids in Drinking Water (GC/ECD)	120
525.1	Organic Pesticides by Liquid Solid Extraction (GC/MS)	120
525.2	Organic Pesticides by Liquid Solid Extraction Rev. 1 (GC/MS)	121-122
527	Pesticides & Flame Retardants (SPE & Capillary GC/MS)	122
531 & 531.1	Carbamates (HPLC)	122
532	Phenylureas (HPLC)	123
535	Acetamide-Herbicide Degradates (LCMS)	123
547	Glyphosate (HPLC)	123
548	Endothall (GC/ECD)	123
548.1	Endothall (GC/MS)	123
549.1 & 549.2	Diquat & Paraquat (HPLC)	123
551 & 551.1A	Chlorinated Organic Solvents (GC/ECD)	123-124
553	Benzidines & Nitrogen Pesticides (HPLC/MS)	124
555	Chlorinated Pesticides (HPLC)	124
	National Primary Drinking Water Standards	125
600 Series	Pesticide Methods for Wastewater	126-128
608.1 & 608.2	Organochlorine Pesticides (GC/ECD)	126
609	Nitroaromatics & Isophorone (GC/ECD/FID)	126
614 & 614.1	Organophosphorus Pesticides (GC/NPD)	126
615	Chlorinated Herbicides (GC/ECD)	126
617	Chlorinated Pesticides (GC/ECD)	126-127
618	Volatile Pesticides (GC/ECD)	127
619	Triazine Herbicides (GC/NPD)	127
622	Organophosphorus Pesticides (GC/NPD)	127
622.1	Thiophosphate Pesticides (GC/NPD)	127
625	Priority Pollutant Standards (GC/MS)	127
627	Dinitroaniline Pesticides (GC/ECD)	127
632	Carbamates & Urea Pesticides (HPLC)	128
632.1	Carbamates & Amides (HPLC)	128
633	Organonitrogen Pesticides (GC/NPD)	128
634	Thiocarbamate Pesticides (GC/NPD)	128
645	Amino Pesticides & Lethane (GC/NPD)	128
680	Pesticides in Water/Soil (GC/MS)	128
629-644	HPLC Analysis Products	128
1300 Series	Pesticide Methods for TCLP	129
1600 Series	Pesticide Methods	130-132
1618	Organochloride & Phosphorus Pesticides (GC)	130
1656	Organo Halide Pesticides (GC/HSD)	131
1657	Organo Phosphorus Pesticides (GC/FID) & Dazomet	132
1658	Phenoyl-Acid Herbicides	132
1659	Dazometin Municipal & Wastewater by NPD	132
8000 Series	Pesticide Methods for Solid Waste	133-139
8080A	Organochlorine Pesticides	133
8080/8081A/B	Organochlorine Pesticides (GC/ECD)	133-134
8085	Pesticides (GC/AED)	135
8140	Organophosphorous Pesticides (GC/NPD/ELCD/FPD)	136
8141A	Additions to Method 8140	136
8150A/8150B	Chlorinated Herbicides (GC/ECD)	137-138
8151/8151A	Chlorinated Herbicides (GC/ECD)	137-138
8270C/D	Semi-Volatile Pesticides (GC/MS)	138
8318	N-Methylcarbamates (HPLC)	139
8321	Non-Volatile Pesticides (HPLC/TSP/MS or UV Solvent Extractable)	139
8325	Benzidines & Nitrogen containing Pesticides (HPLC/PB/MS)	139
Regional Stds	European and other Methodologies	140-142



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 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 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 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 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 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

Level 1	CLP-023R	1 mL
Level 2	CLP-023R-4X	1 mL
Level 3	CLP-023R-10X	1 mL
Level 4	CLP-023R-30X	1 mL
Level 5	CLP-023R-160X	1 mL

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

Level 1	CLP-024R	1 mL
Level 2	CLP-024R-4X	1 mL
Level 3	CLP-024R-10X	1 mL
Level 4	CLP-024R-30X	1 mL
Level 5	CLP-024R-160X	1 mL

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		

Ready-to-Inject

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



Method 505 Organohalide Pesticides by Microextraction & GC/ECD

M-505R-2			1 x 1 mL
M-505R-2-PAK		SAVE	5 x 1 mL
At stated conc. ($\mu\text{g/mL}$) in MeOH			
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	<i>cis</i> -Nonachlor	1
Endrin	1	<i>trans</i> -Nonachlor	1
Heptachlor	1	Simazine	250

M-505-ASL			1 x 1 mL
M-505-ASL-PAK		SAVE	5 x 1 mL
At stated conc. ($\mu\text{g/mL}$) in Acetone			
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 1,000 $\mu\text{g/mL}$ in Hexane			
		SAVE	-PAK (5 x 1 mL)
Chlordane	P-017S-H-10X		P-017S-H-10X-PAK
Toxaphene	P-093S-H-10X		P-093S-H-10X-PAK

Degradation Standard

P-045S	1 x 1 mL
100 $\mu\text{g/mL}$ in MeOH	
Endrin	

Method 507 Nitrogen/Phosphorus Pesticides by GC/NPD

Mix G

M-507G			1 x 1 mL
M-507G-PAK		SAVE	5 x 1 mL
1.0 mg/mL each in MtBE			
Benfen	Oxadiazon	Profluralin	
Isopropalin	Oxyfluorfen	Trifluralin	
Pendimethalin	Propachlor		

Performance Check Solution

M-507-QC			1 x 1 mL
M-507-QC-PAK		SAVE	5 x 1 mL
At stated conc. (ng/mL) in MtBE			
Atrazine	150	Bromacil	5,000
DNB	2,500	Prometon	300
		TPP	2,500
		Vernolate	50

Internal Standard

M-507-IS			1 x 1 mL
M-507-IS-PAK		SAVE	5 x 1 mL
0.5 mg/mL in MtBE			
M-507-IS-10X			1 x 1 mL
5.0 mg/mL in MtBE			
Triphenyl phosphate			

Method 507 Nitrogen/Phosphorus Pesticides (Cont.)

Surrogate Standard

M-507-SS			1 x 1 mL
M-507-SS-PAK		SAVE	5 x 1 mL
0.25 mg/mL in MtBE			
M-507-SS-4X			1 x 1 mL
1.0 mg/mL in MtBE			
1,3-Dimethyl-2-nitrobenzene			

Mix H

M-507H			1 x 1 mL
M-507H-PAK		SAVE	5 x 1 mL
1.0 mg/mL each in MtBE			
DEF 6 (for Merphos quantitation)			

Method 508 Chlorinated Pesticides by GC/ECD

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			
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

M-508P-B-R			1 x 1 mL
M-508P-B-R-PAK		SAVE	5 x 1 mL
1.0 mg/mL each in MtBE			
α -Chlordane	Chlorpyrifos	<i>cis</i> -Permethrin	
γ -Chlordane	DCPA	<i>trans</i> -Permethrin	
Chlorobenzilate	Etridiazole	Propachlor	
Chloroneb	Hexachlorobenzene	Trifluralin	
Chlorothalonil			

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			
α -Chlordane	Chlorpyrifos	<i>cis</i> -Permethrin	
γ -Chlordane	DCPA	<i>trans</i> -Permethrin	
Chlorobenzilate	Etridiazole	Propachlor	
Chloroneb	Hexachlorobenzene	Trifluralin	
Chlorothalonil	Cyanazine	<i>trans</i> -Nonachlor	

Internal Standard

M-508-IS			1 x 1 mL
M-508-IS-PAK		SAVE	5 x 1 mL
0.1 mg/mL in MtBE			
M-508-IS-10X			1 x 1 mL
1.0 mg/mL in MtBE			
Pentachloronitrobenzene			

Surrogate Standards

M-508-SS			1 x 1 mL
M-508-SS-PAK		SAVE	5 x 1 mL
0.5 mg/mL in MtBE			
4,4'-Dichlorobiphenyl			
M-508-SS-2			1 x 1 mL
M-508-SS-2-PAK		SAVE	5 x 1 mL
0.5 mg/mL in MtBE			
Decachlorobiphenyl			



EPA 500 Series - Pesticide Methods

Method 508 Chlorinated Pesticides by GC/ECD (Cont.)

Decomposition Solution

M-508-DS-100X				1 x 1 mL
M-508-DS-100X-PAK	SAVE			5 x 1 mL
At stated conc. ($\mu\text{g/mL}$) in MtBE				
p,p'-DDT	200	Endrin	100	2 comps.

Performance Check Solution

M-508-QC				1 x 1 mL
M-508-QC-PAK	SAVE			5 x 1 mL
At stated conc. (ng/mL) in MtBE				
δ -BHC	40	Chlorpyrifos	2	
Chlorothalonil	50	Dacthal	50	

Method 508.1 Chlorinated Pesticides, Herbicides & Organo-Halides by Liquid - Solid Extraction & ECD

Chlorinated Pesticide Mix #1

M-508.1-X1				1 x 1 mL
M-508.1-X1-PAK	SAVE			5 x 1 mL
500 $\mu\text{g/mL}$ each in Ethyl acetate				

Aldrin	Dieldrin
α -BHC	Endosulfan I
β -BHC	Endosulfan II
δ -BHC	Endosulfan sulfate
γ -BHC	Endrin
α -Chlordane	Endrin aldehyde
γ -Chlordane	Heptachlor
4,4'-DDD	Heptachlor epoxide (Isomer B)
4,4'-DDE	Methoxychlor
4,4'-DDT	

Chlorinated Pesticide Mix #2

M-508.1-X2				1 x 1 mL
M-508.1-X2-PAK	SAVE			5 x 1 mL
500 $\mu\text{g/mL}$ each in Ethyl acetate				

Alachlor	Hexachlorocyclopentadiene
Atrazine	Metolachlor
Chlorobenzilate	Metribuzin
Chloroneb	cis-Permethrin
Chlorothalonil	trans-Permethrin
Cyanazine	Propachlor
DCPA	Simazine
Etridiazole	Trifluralin
Hexachlorobenzene	

Regulated Pesticide Mix (SDWA)

M-508.1-ASL				1 x 1 mL
M-508.1-ASL-PAK	SAVE			5 x 1 mL
100 $\mu\text{g/mL}$ each in MtBE				

Alachlor	Dieldrin	Methoxychlor
Aldrin	Endrin	Metolachlor
Atrazine	Heptachlor	Metribuzin
γ -BHC	Heptachlor epoxide (Isomer B)	Propachlor
α -Chlordane	Hexachlorobenzene	Simazine
γ -Chlordane	Hexachlorocyclopentadiene	

Decomposition Solution

M-508.1-DS-100X				1 x 1 mL
M-508.1-DS-100X-PAK	SAVE			5 x 1 mL
100 $\mu\text{g/mL}$ each in Ethyl acetate				
4,4'-DDT		Endrin		2 comps.

Internal Standard Solution

M-508.1-IS				1 x 1 mL
M-508.1-IS-PAK	SAVE			5 x 1 mL
100 $\mu\text{g/mL}$ each in Ethyl acetate				
Pentachloronitrobenzene				

Surrogate Standard Solution

M-508.1-SS				1 x 1 mL
M-508.1-SS-PAK	SAVE			5 x 1 mL
100 $\mu\text{g/mL}$ each in Ethyl acetate				
4,4'-Dibromobiphenyl				

Performance Check Solution

M-508.1-QC				1 x 1 mL
M-508.1-QC-PAK	SAVE			5 x 1 mL
At stated conc. (ng/mL) in MtBE				
δ -BHC	400	Chlorpyrifos	20	
Chlorothalonil	500	DCPA	500	



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
1.0 mg/mL each in MtBE		
Acifluorfen methyl ester	Methyl 3,5-dichlorobenzoate	
Bentazon methyl ester	Dichlorprop 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 MeOH			
Acifluorfen	100	3,5-Dichlorobenzoic acid	100
Bentazon	200	Dichlorprop	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		
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		
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 MeOH		
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 MeOH			
DCPA methyl ester	100	Dinoseb methyl ester	200
Methyl 3,5-dichlorobenzoate	500	Pentachloroanisole	100
Dichlorprop 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 MeOH		

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 MeOH			
DCPA acid	100	Dinoseb	200
3,5-Dichlorobenzoic acid	500	Pentachlorophenol	100
Dichlorprop	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 MeOH		

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			
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
<i>At stated conc. (µg/mL) in Acetone</i>			
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
<i>At stated conc. (µg/mL) in MtBE</i>			
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
<i>At stated conc. (µg/mL) in MtBE</i>			
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
<i>0.1 mg/mL in MtBE</i>			
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
<i>At stated conc. (µg/mL) in Acetone</i>			
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
<i>0.1 mg/mL in Acetone</i>			
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
<i>At stated conc. (µg/mL) in MtBE</i>			
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
<i>0.1 mg/mL each in Acetone</i>			
M-525-3-5X			1 x 1 mL
M-525-3-5X-PAK	SAVE		5 x 1 mL
<i>0.5 mg/mL each in Acetone</i>			
Alachlor		Heptachlor	
Aldrin		Heptachlor epoxide (Isomer B)	
Atrazine		Lindane	
α-Chlordane		Methoxychlor	
γ-Chlordane		Simazine	
Endrin		trans-Nonachlor	

Multi-Component / Analyte

M-525-5			1 x 1 mL
M-525-5-PAK	SAVE		5 x 1 mL
<i>2.5 mg/mL in Acetone</i>			
Toxaphene			



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 M-507A-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 5 x 1 mL 6 comps.
Ametryn Cycloate	Disulfoton Fenamiphos	Merphos Prometon

M-507B M-507B-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 5 x 1 mL 9 comps.
Atrazine Diphenamid EPTC	Ethoprop Mevinphos Prometryne	Propazine Terbutryn Triadimefon

M-507C M-507C-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 5 x 1 mL 9 comps.
Butachlor Carboxin Diazinon	Metolachlor Metribuzin MGK-264	Norflurazon Terbufos Vernolate

M-507D M-507D-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 5 x 1 mL 10 comps.
Alachlor Atraton Bromacil Butylate	Chlorpropham Hexazinone Molinate	Pronamide Stirofos Tricyclazole

M-507E M-507E-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 1 x 1 mL 8 comps.
Dichlorvos Fenarimol Fluridone	Napropamide Pebulate (<i>Tillam</i>) Simetryn	Tebuthiuron Terbacil

M-507F-R2 M-507F-R2-PAK 1.0 mg/mL each in Acetone		1 x 1 mL 5 x 1 mL 2 comps.
Methyl paraoxon	Simazine	

Auxiliary Standards

Internal Standard

M-525.2-IS M-525.2-IS-PAK 0.5 mg/mL each in Acetone	SAVE	1 x 1 mL 5 x 1 mL 3 comps.
Acenaphthene-d ₁₀	Chrysene-d ₁₂	Phenanthrene-d ₁₀

Surrogate Standard

M-525.2-SS M-525.2-SS-PAK 0.5 mg/mL each in Acetone	SAVE	1 x 1 mL 5 x 1 mL 3 comps.
1,3-Dimethyl-2-nitrobenzene Perylene-d ₁₂	Triphenylphosphate	

Internal/Surrogate Standard

M-525.2-IS/SS M-525.2-IS/SS-PAK 0.5 mg/mL each in Acetone	SAVE	1 x 1 mL 5 x 1 mL 6 comps.
Acenaphthene-d ₁₀ Chrysene-d ₁₂ 1,3-Dimethyl-2-nitrobenzene	Perylene-d ₁₂ Phenanthrene-d ₁₀ Triphenylphosphate	

Tuning Standard

M-525.2-TS 0.5 mg/mL each in CH ₂ Cl ₂		1 x 1 mL 3 comps.
4,4'-DDT	DFTPP	Endrin

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 M-508P-A-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 5 x 1 mL 17 comps.
Aldrin α-BHC β-BHC δ-BHC γ-BHC 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

Mix B

M-508P-B-R2 M-508P-B-R2-PAK 1.0 mg/mL each in MtBE	SAVE	1 x 1 mL 5 x 1 mL 15 comps.
α-Chlordane γ-Chlordane Chlorobenzilate Chloroneb Chlorothalonil	Chlorpyrifos Cyanazine DCPA Etridiazole Hexachlorobenzene	<i>trans</i> -Nonachlor <i>cis</i> -Permethrin <i>trans</i> -Permethrin Propachlor 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 **Alternate Source** **SAVE** 1 x 1 mL
M-525.2-NP1-ASL-PAK 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
Dursban	MGK-264	Prebana
Cycloate	Molinate	Triadimefop
Cyanazine	Napropamide	Tricyclazole
Dichlorvos	Norflurazon	Trifluralin
Diphenamid	Pebulate	Vernolate
EPTC	Prometon	

Nitrogen / Phosphorus Pesticide Mix Revision

M-525.2-NP1-ASL-R1 **Alternate Source** 1 x 1 mL
100 µg/mL each in Acetone 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
Dursban	Molinate	Prebana
Cycloate	Napropamide	Triadimefop
Cyanazine	Norflurazon	Tricyclazole
Dichlorvos	Pebulate	Trifluralin
Diphenamid	Prometon	Vernolate
EPTC		

Nitrogen / Phosphorus Pesticide Mixture

M-525.2-NP2-ASL **Alternate Source** **SAVE** 1 x 1 mL
M-525.2-NP2-ASL-PAK 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 **Alternate Source** **SAVE** 1 x 1 mL
M-525.2-CP-ASL-PAK 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		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 MeOH 11 comps.

Atrazine	Kepone
Bioallethrin, S-cyclopentyl isomer	Norflurazon
Bromacil	Oxychlorodane isomer
Esfenvalerate	Prometryne
Fenvalerate	Propazine
Hexazinone	

Pesticide Mix B

M-527-PEST-B 1 x 1 mL
500 µg/mL each in MeOH 12 comps.

Bifenthrin	Nitrofen
Dimethoate	Parathion
Dursban	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 AcCN

M-531M **SAVE** 1 x 1 mL
M-531M-PAK 5 x 1 mL
0.1 mg/mL each in AcCN 11 comps.

Performance Check Solution

M-531-QC-R 1 x 1 mL
At stated conc. (µg/mL) in AcCN 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 AcCN

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 MeOH 2 comps.

Carbofuran	Oxamyl
------------	--------



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 MeOH		
Karmex	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		
Diflufenzuron	Thidiazuron	2 comps.

Phenylurea Primary Dilution Standard

M-532		1 x 1 mL
M-532-PAK	SAVE	5 x 1 mL
100 µg/mL each in MeOH, except Siduron		
Diflufenzuron	Linuron	Tebuthiuron
Karmex	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 MeOH		
Carbazole	Monuron	2 comps.

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 MeOH		
Acetochlor ESA	50	Propachlor ESA
Acetochlor OA	50	Propachlor OA
Alachlor ESA	50	Dimethenamid ESA
Alachlor OA	50	Dimethenamid OA
Flufenacet ESA	20	Butachlor ESA sodium salt
Flufenacet OA	20	(internal standard)
Metolachlor ESA	50	Dimethachlor ESA sodium salt
Metolachlor OA	50	(surrogate standard)

Method 547 Glyphosate by HPLC

M-547	1 x 1 mL
0.1 mg/mL in Deionized water	
M-547-10X	1 x 1 mL
1.0 mg/mL in Deionized water	
Glyphosate	

Glyphosate Metabolite

M-547-02	1 x 1 mL
0.1 mg/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 MeOH	
Endothall	

Internal Standard

M-548.1-IS	1 x 1 mL
500 µg/mL in MeOH	
Acenaphthene-d ₁₀	

Methyl Derivative

M-548.1-ME	1 x 1 mL
100 µg/mL in MeOH	
Endothall dimethyl ester	

Method 549.1/549.2 Diquat & Paraquat Liquid - Solid Extraction & HPLC

M-549.1	1 x 1 mL
1.0 mg/mL each in Deionized water as non-hydrated species	2 comps.
Diquat dibromide - H ₂ O (1.97 mg/mL)	
Paraquat dichloride - 4 H ₂ O (1.77 mg/mL)	

Method 551 Chlorinated Organic Solvents + Trihalomethanes by GC/ECD

M-551A	1 x 1 mL
M-551A-PAK	5 x 1 mL
5.0 mg/mL each in MeOH	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	

	Cat. No.	1 mL
Bromochloroacetonitrile	M-551B-1	
Chloral hydrate	M-551B-2	
Chloropicrin	M-551B-3	
Dibromoacetonitrile	M-551B-4	
Dichloroacetonitrile	M-551B-5	
1,1-Dichloro-2-propanone	M-551B-6	
Trichloroacetonitrile	M-551B-7	
1,1,1-Trichloro-2-propanone	M-551B-8	



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
Bromoform	1000
Carbon tetrachloride	500
Chloroform	1000
Dibromochloromethane	1000
1,2-Dibromo-3-chloropropane	1000
1,2-Dibromoethane	1000
Tetrachloroethene	500
1,1,1-Trichloroethane	1000
1,1,2-Trichloroethane	10,000
Trichloroethene	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 1 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
10,000 µg/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 AcCN: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

Performance Check Solution

M-553-PC 1 x 1 mL
0.1 mg/mL in AcCN

DFTPPO (Decafluorotriphenylphosphine oxide)

Method 555 Chlorinated Acids by HPLC

Mix A

M-555A 1 x 1 mL
1.0 mg/mL each in AcCN 8 comps.

Acifluorfen	2,4-D	Picloram
Bentazon	Dicamba	2,4,5-TP
Chloramben	Dichlorprop	

Mix B

M-555B 1 x 1 mL
1.0 mg/mL each in AcCN 8 comps.

2,4-DB	MCPA	Pentachlorophenol
3,5-Dichlorobenzoic acid	MCPP	2,4,5-T
Dinoseb	4-Nitrophenol	

* ColdPAK required to maintain integrity of product



EPA Safe Drinking Water Act (SDWA) Amendment National Primary Drinking Water Standards

Regulated Herbicide Mixture (Non-derivatized)

M-515-REG			1 x 1 mL
At stated conc. ($\mu\text{g/mL}$) in Acetone			8 comps.
Acifluorfen $\diamond\diamond$	100	Dinoseb	200
2,4-D	300	Pentachlorophenol	100
Dalapon	1000	Picloram	100
Dicamba $\diamond\diamond$	100	2,4,5-TP	100

Regulated Herbicide Mixtures (Methyl Derivatives)

M-515-REG-ME			1 x 1 mL
At stated conc. (ng/mL) in MtBE			8 comps.
Acifluorfen methyl ester $\diamond\diamond$	250	Dinoseb methyl ether	500
2,4-D methyl ester	500	Pentachloroanisole	100
Dalapon methyl ester	2000	Picloram methyl ester	250
Dicamba methyl ester $\diamond\diamond$	500	2,4,5-TP methyl ester	500

M-515-REG-ME-1000X			1 x 1 mL
At stated conc. ($\mu\text{g/mL}$) in MtBE			8 comps.
Acifluorfen methyl ester $\diamond\diamond$	250	Dinoseb methyl ether	500
2,4-D methyl ester	500	Pentachloroanisole	100
Dalapon methyl ester	2000	Picloram methyl ester	250
Dicamba methyl ester $\diamond\diamond$	500	2,4,5-TP methyl ester	500

Regulated Semi-Volatiles Mixture

M-525-REG-EA		1 x 1 mL
0.1 mg/mL each in Ethyl Acetate		25 comps.

M-525-REG-EA-5X		1 x 1 mL
0.5 mg/mL each in Ethyl Acetate		25 comps.

Alachlor	Endrin
Aldrin \diamond	Heptachlor
Atrazine	Heptachlor epoxide (Isomer B)
Benz[a]pyrene	Hexachlorobenzene
Butachlor \diamond	Hexachlorocyclopentadiene
α -Chlordane	Lindane
γ -Chlordane	Methoxychlor
Cyanazine $\diamond\diamond$	Metolachlor $\diamond\diamond$
Dieldrin \diamond	Metribuzin $\diamond\diamond$
2,4-Dinitrotoluene $\diamond\diamond$	<i>trans</i> -Nonachlor
2,6-Dinitrotoluene $\diamond\diamond$	Propachlor \diamond
bis(2-Ethylhexyl)adipate	Simazine
bis(2-Ethylhexyl)phthalate	

\diamond Unregulated Additions
 $\diamond\diamond$ Proposed Phase VIB Additions

Regulated Pesticide Mixture

M-531-REG		1 x 1 mL
0.1 mg/mL each in Acetonitrile		8 comps.
Aldicarb	Carbofuran	
Aldicarb sulfone	3-Hydrocarbofuran \diamond	
Aldicarb sulfoxide	Methomyl $\diamond\diamond$	
Carbaryl \diamond	Oxamyl	

Proposed Phase VIA Additions

Disinfectant By-products

Bromoform $\diamond\diamond$	}	see Method 501 Total Trihalomethanes
Chloroform $\diamond\diamond$		
Dibromochloromethane $\diamond\diamond$		
Dichlorobromomethane $\diamond\diamond$	}	Method 551, Chlorinated Solvents + Disinfectant By-products

Bromoacetic acid $\diamond\diamond$	}	Haloacetic acids see Method 552.2
Chloroacetic acid $\diamond\diamond$		
Dibromoacetic acid $\diamond\diamond$		
Dichloroacetic acid $\diamond\diamond$		
Trichloroacetic acid $\diamond\diamond$		

Regulated Pesticide Mixture

M-508.1-ASL		1 x 1 mL
M-508.1-ASL-PAK	Alternate Source	SAVE
100 $\mu\text{g/mL}$ each in MtBE		5 x 1 mL 17 comps.

Alachlor	Heptachlor epoxide (Isomer B)
Aldrin	Hexachlorobenzene
Atrazine	Hexachlorocyclopentadiene
γ -BHC	Methoxychlor
α -Chlordane	Metolachlor
γ -Chlordane	Metribuzin
Dieldrin	Propachlor
Endrin	Simazine
Heptachlor	

Regulated Semi-Volatiles Mixture

M-525-REG-ASL		1 x 1 mL
M-525-REG-ASL-PAK	Alternate Source	SAVE
0.5 mg/mL each in Acetone		5 x 1 mL 6 comps.

Benz[a]pyrene	Hexachlorobenzene
bis(2-Ethylhexyl)adipate	Hexachlorocyclopentadiene
bis(2-Ethylhexyl)phthalate	Pentachlorophenol (2.0 mg/mL)

Carbamate Pesticide Mixture

M-531-REG-ASL		1 x 1 mL
M-531-REG-ASL-PAK	Alternate Source	SAVE
100 $\mu\text{g/mL}$ each in MeOH		5 x 1 mL 2 comps.
Carbofuran	Oxamyl	



EPA 600 Series - Pesticide Methods

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 **5 x 1 mL**
 100 µg/mL each in Isooctane **7 comps.**

SAVE

Chlorobenzilate	Etridiazole
Chloroneb	Pentachloronitrobenzene
Chloropropylate	Propachlor
1,2-Dibromo-3-chloropropane	

M-608.2 **1 x 1 mL**
M-608.2-PAK **5 x 1 mL**
 100 µg/mL each in Isooctane **6 comps.**

SAVE

Chlorothalonil	Methoxychlor
DCPA	cis-Permethrin *
Dichloran	trans-Permethrin *

* Certificate will reflect actual cis/trans ratio

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
------------	--------------

M-609B-R **1 x 1 mL**
 1.0 mg/mL each in Hexane **2 comps.**

2,4-Dinitrotoluene	2,6-Dinitrotoluene
--------------------	--------------------

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**
 1,000 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**
 1,000 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 **4 comps.**

Alternate Source

Dioxathion	10	Ethion	100
EPN	200	Terbufos	4

Method 615 Chlorinated Herbicides

Chlorinated Herbicides

Compound	Herbicide Acids		Methyl Derivatives	
	Cat. No.	0.2 mg/mL in MeOH	Cat. No.	0.2 mg/mL in Hexane
2,4-D	M-8150S-A-01		M-8150-01	
2,4-DB	M-8150S-A-02		M-8150-02	
2,4,5-T	M-8150S-A-03		M-8150-03	
2,4,5-TP	M-8150S-A-04		M-8150-04	
Dalapon	M-8150S-A-05		M-8150-05	
Dicamba	M-8150S-A-06		M-8150-06	
Dichlorprop	M-8150S-A-07		M-8150-07	
Dinoseb	M-8150S-A-08		M-8150-08	
MCPA (2.0 mg/mL)	M-8150S-A-09		M-8150-09	
MCPP (2.0 mg/mL)	M-8150S-A-10		M-8150-10	
10 x 1 mL	M-8150A-SET		M-8150-SET	

Underivatized

M-8150A **1 x 1 mL**
 0.1 mg/mL in MEOH, 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

M-8150 **1 x 1 mL**
 0.1 mg/mL in MEOH, 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

Method 615 Underivatized Chlorinated Herbicides

M-615A-ASL **1 x 1 mL**
M-615A-ASL-PAK **5 x 1 mL**
 At stated conc. in MeOH **10 comps.**

SAVE

2,4-D	100	Dalapon	250	Dinoseb	50
2,4-DB	100	Dicamba	10	MCPA	10,000
2,4,5-T	10	Dichlorprop	100	MCPP	10,000
2,4,5-TP	10				

Method 615 Methyl Derivatives of Chlorinated Herbicides

M-615-ASL **1 x 1 mL**
M-615-ASL-PAK **5 x 1 mL**
 At stated conc. (µg/mL) in MeOH **10 comps.**

SAVE

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

Method 617 Chlorinated Pesticides & PCBs by GC/ECD

Mix #1 - Analytes

Z-014C-R2 **1 x 1 mL**
Z-014C-R2-PAK **5 x 1 mL**
 2.0 mg/mL each in Hexane:Toluene (50:50) **18 comps.**

SAVE

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



Method 617 Chlorinated Pesticides & PCBs (Cont.)

Chlordane

P-017S-20X 1 x 1 mL
2.0 mg/mL in MeOH

Toxaphene

P-093S-40X 1 x 1 mL
4.0 mg/mL in MeOH

Method 618 Volatile Pesticides by GC/ECD

Volatile Pesticides

M-618 1 x 1 mL
20 mg/mL each in Isooctane

Chloropicrin Ethylene dibromide

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 MeOH

M-619M 1 x 1 mL
0.1 mg/mL each in MeOH

Compound	Cat. No.	1 mL	Compound	Cat. No.	1 mL
Ametryn	M-619-01		Secbumeton	M-619-07	
Atraton	M-619-02		Simetryn	M-619-08	
Atrazine	M-619-03		Simazine	M-619-09	
Prometon	M-619-04		Terbutylazine	M-619-10	
Prometryne	M-619-05		Terbutryn	M-619-11	
Propazine	M-619-06				

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	Merphos
Bolstar (Sulprofos)	Mevinphos
Chlorpyrifos	Monocrotophos
Coumaphos	Naled
Demeton, O & S	Parathion ethyl
Diazinon	Parathion methyl
Dichlorvos	Phorate
Dimethoate	Ronnel
Disulfoton	Stirophos
EPN	Sulfotep
Ethoprop	TEPP
Fensulfothion *	Tokuthion
Fenthion	Trichloronate
Malathion	

* Hexane:Acetone (95:5)

Method 622.1 Thiophosphate Pesticides by GC/NPD

Thiophosphate Pesticides

M-622.1 1 x 1 mL
1.0 mg/mL each in MtBE

Aspon	Fonophos
Dichlofenthion	Phosmet
Famphur	Thionazin
Fenitrothion	

Method 625 Priority Pollutant Standards

Pesticide Extractables Mixture

M-625P 1 x 1 mL
M-625P-PAK 5 x 1 mL
20 µg/mL each in MeOH 11 comps.

SAVE

Aldrin	Dieldrin
β-BHC	Endosulfan sulfate
δ-BHC	Endrin aldehyde
4,4'-DDD	Heptachlor
4,4'-DDE	Heptachlor epoxide (Isomer B)
4,4'-DDT	

Chlordane and Toxaphene

M-001J 1 x 1 mL
M-001J-PAK 5 x 1 mL
At stated conc. (mg/mL) in MeOH 2 comps.

SAVE

Chlordane	0.02	Toxaphene	0.20
-----------	------	-----------	------

Pesticides - Mix #1

Z-014C 1 x 1 mL
Z-014C-PAK 5 x 1 mL
2.0 mg/mL each in Toluene:Hexane (50:50) 16 comps.

SAVE

Aldrin	4,4'-DDE	Endrin
α-BHC	4,4'-DDT	Endrin aldehyde
β-BHC	Dieldrin	Heptachlor
γ-BHC	Endosulfan I	Heptachlor epoxide
δ-BHC	Endosulfan II	(Isomer B)
4,4'-DDD	Endosulfan sulfate	

Pesticides - Mix #2

Z-014C-R 1 x 1 mL
Z-014C-R-PAK 5 x 1 mL
2.0 mg/mL each in Toluene:Hexane (50:50) 20 comps.

SAVE

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
α-Chlordane	Endosulfan II	(Isomer B)
γ-Chlordane	Endosulfan sulfate	Methoxychlor

Pesticides - Mix #3

Z-014C-R2 1 x 1 mL
Z-014C-R2-PAK 5 x 1 mL
2.0 mg/mL each in Toluene:Hexane (50:50) 18 comps.

SAVE

Aldrin	4,4'-DDT	Endrin aldehyde
α-BHC	Dieldrin	Endrin ketone
β-BHC	Endosulfan I	Heptachlor
γ-BHC	Endosulfan II	Heptachlor epoxide
δ-BHC	Endosulfan sulfate	(Isomer B)
4,4'-DDD	Endrin	Methoxychlor
4,4'-DDE		

Method 627 Dinitroaniline Pesticides by GC/ECD

Dinitroaniline Pesticide Mixes

M-627 1 x 1 mL
1.0 mg/mL each in MeOH 4 comps.

Ethalfuralin	Tolban (Profluralin)
Isopropalin	Trifluralin

M-627-R

1.0 mg/mL each in MeOH 5 comps.

Benfluralin	Tolban (Profluralin)
Ethalfuralin	Trifluralin
Isopropalin	



EPA 600 Series - Pesticide Methods

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 AcCN

M-632M 1 x 1 mL
0.1 mg/mL each in AcCN 21 comps.

M-632M-10X 1 x 1 mL
1.0 mg/mL each in AcCN 21 comps.

	Cat. No.		Cat. No.
Aminocarb	M-632-01	Methomyl	M-632-12
Barban	M-632-02	Mexacarbate	M-632-13
Carbaryl	M-632-03	Monuron	M-632-14
Carbofuran	M-632-04	Monuron TCA	M-632-15
Chlorpropham	M-632-05	Neburon	M-632-16
Diuron	M-632-06	Oxamyl	M-632-17
Fenuron	M-632-07	Propam	M-632-18
Fenuron TCA	M-632-08	Propoxur	M-632-19
Fluometuron	M-632-09	Siduron	M-632-20
Linuron	M-632-10	Swep	M-632-21
Methiocarb	M-632-11		

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 AcCN

	Cat. No.		Cat. No.
Vacor	M-632.1-1	Napropamide	M-632.1-3
Propanil	M-632.1-2	Carbaryl	M-632.1-4

Method 633 Organonitrogen Pesticides by GC/NPD

Organonitrogen Pesticides Mix

M-633 1 x 1 mL
0.1 mg/mL each in MeOH 6 comps.

Bromacil	Hexazinone	Terbacil
Deet	Metribuzin	Triadimefon

Method 634 Thiocarbamate Pesticides by GC/NPD

Thiocarbamate Pesticides Mix

M-634 1 x 1 mL
1.0 mg/mL each in MeOH 6 comps.

Butylate	EPTC	Pebulate
Cycloate	Molinate	Vernolate

Internal Standard

M-634-IS 1 x 1 mL

1.0 mg/mL in MeOH

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 AcCN	Cat. No.
604.1	Hexachlorophene & Dichlorophene	M-604.1
629	Cyanazine	M-629
631	Carbendazim	M-631
635	Rotenone	M-635
636	Bensulide	M-636
638	Oryzalin	M-638
639	Bendiocarb	M-639
640	Mercaptobenzothiazole	M-640
641	Thiabendazole	M-641
642	Biphenyl & o-Phenylphenol	M-642
643	Bentazon (<i>Basagran</i>)	M-643
644	Picloram	M-644

Method 680 Determination of Pesticides & PCBs in Water & Soil/Sediment by GC/MS

Pesticide Mix

M-680P 1 x 1 mL
M-680P-PAK 5 x 1 mL
At stated conc. ($\mu\text{g/mL}$) in Toluene:Hexane (50:50) 22 comps.

SAVE

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	<i>cis</i> -Nonachlor	1,000
Dieldrin	1,000	<i>trans</i> -Nonachlor	1,000

Pesticide Mid-Level Check

M-680P-MLC 1 x 1 mL
M-680P-MLC-PAK 5 x 1 mL
At stated conc. ($\mu\text{g/mL}$) Toluene:Hexane (50:50) 21 comps.

SAVE

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	<i>cis</i> -Nonachlor	1,000
4,4'-DDT	1,000	<i>trans</i> -Nonachlor	1,000
Dieldrin	1,000		



Method 1311 Toxicity Characteristic Leaching Procedure (TCLP)

Pesticide Spiking Mix

TCLP-PES 1 x 1 mL
 TCLP-PES-PAK 5 x 1 mL
 2.0 mg/mL each in MeOH, 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 5 x 1 mL
 2.0 mg/mL each in MeOH 5 comps.

Endrin	Lindane
Heptachlor	Methoxychlor
Heptachlor epoxide (Isomer B)	

TCLP-PES-2 1 x 1 mL
 TCLP-PES-2-PAK 5 x 1 mL
 At stated conc. (mg/mL) in MeOH 2 comps.

Chlordane 2.0	Toxaphene 4.0
---------------	---------------

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 5 x 1 mL
 2.0 mg/mL each in MeOH 2 comps.

2,4-D	2,4,5-TP
-------	----------

TCLP-HERB-ME 1 x 1 mL
 TCLP-HERB-ME-PAK 5 x 1 mL
 2.0 mg/mL each in MeOH 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 5 x 1 mL
 At stated conc. (µg/mL) in MeOH 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 5 x 1 mL
 At stated conc. (µg/mL) in MeOH 2 comps.

Chlordane 0.3	Toxaphene 5.0
---------------	---------------

Herbicides

TCLP-HERB-ME-QC 1 x 1 mL
 TCLP-HERB-ME-QC-PAK 5 x 1 mL
 At stated conc. (µg/mL) in MeOH 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

M-1618-1			1 x 1 mL
M-1618-1-PAK		SAVE	5 x 1 mL
At stated conc. (ng/mL) in Isooctane			
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

M-1618-2			1 x 1 mL
At stated conc. (ng/mL) in Isooctane			
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

M-1618-3			1 x 1 mL
At stated conc. (ng/mL) in Isooctane			
Azinphos methyl	100	Merphos	200
Coumaphos	5	Methyl parathion	100
Diazinon	100	Malathion	100
Dichlorvos	50	Phorate	100
Dimethoate	100	Ronnel	100
EPN	100	Sulprofos	50
Ethyl parathion	100	Terbufos	100
Ethoprop	100	Tetrachlorvinphos	100
Ethyl azinphos	100	Trichlorofon	100
Fensulfothion	200		

M-1618-4			1 x 1 mL
At stated conc. (ng/mL) in Isooctane			
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

Phenoxyacid Herbicides

M-8150M			1 x 1 mL
M-8150M-PAK		SAVE	5 x 1 mL
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	

M-8150M-2			1 x 1 mL
M-8150M-2-PAK		SAVE	5 x 1 mL
2.0 mg/mL in Hexane			
MCPA methyl ester		MCPPP methyl ester	

Surrogate Standards

Organochlorine Pesticide			
M-1618-SS			1 x 1 mL
M-1618-SS-PAK		SAVE	5 x 1 mL
2 µg/mL in Acetone			
Dibutylchlorendate			

Organophosphate Pesticide

M-1618-SP			1 x 1 mL
2 µg/mL each in Acetone			
Tributyl phosphate		Triphenyl phosphate	

Phenoxyacid Herbicide

M-1618-SA			1 x 1 mL
2 µg/mL in Acetone			
2,4-Dichlorophenylacetic acid			

Decomposition Solution

M-1618D *			1 x 1 mL
M-1618D-PAK *		SAVE	5 x 1 mL
At stated conc. (µg/mL) in Acetone			
p,p'-DDT	2.0	Endrin	1.0

GPC Calibration Solution

M-1618-GP-5ML			1 x 5 mL
At stated conc. (mg/mL) in Acetone			
Corn oil	300.0	Perylene	0.1
bis(2-Ethylhexyl)phthalate	15.0	Sulfur	0.5
Pentachlorophenol	1.4		

SPE Cartridge Calibration Solution

M-1618-SE			1 x 1 mL
M-1618-SE-PAK		SAVE	5 x 1 mL
0.1 µg/mL in Acetone			
2,4,6-Trichlorophenol			

* ColdPAK required to maintain integrity of product.



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 CH₂Cl₂

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

1 x 1 mL

0.1 mg/mL in Acetone

2,4,6-Trichlorophenol

Decomposition Test Solution

M-1656-DS

1 x 1 mL
2 comps.

At stated conc. (µg/mL) in Isooctane

4,4'-DDT 2 Endrin 1

M-1656-CAL-SET	7 x (3 x 1 mL)
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	

Calibration Group 1

M-1656-01-CAL-SET

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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 (cis & trans) *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

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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
Dichloro	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

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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

Surrogate Spiking Solutions

CLP-PES-A

1 x 1 mL

0.2 mg/mL in Acetone

Dibutylchloroendate

CLP-032-R

1 x 1 mL

0.2 mg/mL each in Acetone

2 comps.

Decachlorobiphenyl

Tetrachloro-*m*-xylene

CLP-034

1 x 1 mL

0.2 mg/mL each in Acetone

2 comps.

Dibutylchloroendate

Tetrachloro-*m*-xylene

Calibration Group 6

M-1656-06-CAL-SET

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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

3 x 1 mL

At stated conc. (ng/mL) in Isooctane 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

M-1600-GPC-5ML	1 x 5 mL
At stated conc. (mg/mL) in CH ₂ Cl ₂	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

M-1600-SPE	1 x 1 mL
0.1 mg/mL in Acetone	
2,4,6-Trichlorophenol	

Surrogate Spiking Solution

M-1657-SS	1 x 1 mL
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

M-1657-01-R1-CAL-SET	3 x 1 mL
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
Ronnel	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
Low	M-1657-01-R1-1X		1 mL
Medium	M-1657-01-R1-5X		1 mL
High	M-1657-01-R1-20X		1 mL

Calibration Group 3

M-1657-03-CAL-SET	3 x 1 mL
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
DEF 6	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
Low	M-1657-03-1X		1 mL
Medium	M-1657-03-5X		1 mL
High	M-1657-03-20X		1 mL

Calibration Group 4

M-1657-04-CAL-SET	3 x 1 mL
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
Low	M-1657-04-1X		1 mL
Medium	M-1657-04-5X		1 mL
High	M-1657-04-20X		1 mL

Calibration Group 2

M-1657-02-CAL-SET	3 x 1 mL
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
Low	M-1657-02-1X		1 mL
Medium	M-1657-02-5X		1 mL
High	M-1657-02-20X		1 mL

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

M-1658-CAL-SET	3 x 1 mL
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 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.

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

M-1659-RPS	1 x 1 mL
25 µg/mL in Acetone	
Methyl isothiocyanate (MITC)	

Matrix Spiking Solution

M-1659-MS	1 x 1 mL
25 µg/mL in Acetone	
Dazomet	

Calibration Solutions

M-1659-CAL-SET	3 x 1 mL	
M-1659-CAL-1X	0.2 mg/mL in Acetone	1 mL
M-1659-CAL-5X	1.0 mg/mL in Acetone	1 mL
M-1659-CAL-25X	5.0 mg/mL in Acetone	1 mL
Methyl isothiocyanate (MITC)		



Method 8080A Organochlorine Pesticides by GC/ECD

Organochlorine Pesticides

M-8080			1 x 1 mL
M-8080-PAK	SAVE		5 x 1 mL
2.0 mg/mL each in Acetone			
Aldrin		Endosulfan I	
α-BHC		Endosulfan II	
β-BHC		Endosulfan sulfate	
δ-BHC		Endrin	
γ-BHC		Endrin aldehyde	
4,4'-DDD		Heptachlor	
4,4'-DDE		Heptachlor epoxide (Isomer B)	
4,4'-DDT		Methoxychlor	
Dieldrin			17 comps.

Organochlorine Pesticide QC Standard

M-8080-QC-R			1 x 1 mL
M-8080-QC-R-PAK	SAVE		5 x 1 mL
At stated conc. (mg/mL) in Acetone			
Aldrin	0.02	Endosulfan I	0.02
α-BHC	0.02	Endosulfan II	0.1
β-BHC	0.02	Endosulfan sulfate	0.1
δ-BHC	0.02	Endrin	0.1
γ-BHC	0.02	Endrin aldehyde	0.02
4,4'-DDD	0.1	Heptachlor	0.02
4,4'-DDE	0.02	Heptachlor epoxide (Isomer B)	0.02
4,4'-DDT	0.1	Methoxychlor	0.02
Dieldrin	0.02		

Internal Standard

M-508-IS			1 x 1 mL
M-508-IS-PAK	SAVE		5 x 1 mL
0.1 mg/mL in MtBE			
Pentachloronitrobenzene			

Surrogate Standard

CLP-032-R			1 x 1 mL
CLP-032-R-PAK	SAVE		5 x 1 mL
0.2 mg/mL each in Acetone			
Decachlorobiphenyl		Tetrachloro- <i>m</i> -xylene	2 comps.

Chlordane & Toxaphene

Each at 1,000 µg/mL in Hexane			
			SAVE (5 x 1 mL)
	Cat. No.	1 mL	Cat. No. PAK
Chlordane	P-017S-H-10X		P-017S-H-10X-PAK
Toxaphene	P-093S-H-10X		P-093S-H-10X-PAK

Decomposition Solution

M-1618D *			1 x 1 mL
M-1618D-PAK *	SAVE		5 x 1 mL
At stated conc. (µg/mL) in Acetone			
p,p'-DDT	2	Endrin	1

o,p'-DDT and Metabolites

M-8080-OP			1 x 1 mL
M-8080-OP-PAK	SAVE		5 x 1 mL
0.25 mg/mL each in Hexane:Toluene (50:50)			
o,p'-DDD		o,p'-DDT	
o,p'-DDE			

Organochlorine Pesticide Mixture

M-8080A-ASL			1 x 1 mL
M-8080A-ASL-PAK	Alternate Source	SAVE	5 x 1 mL
250 µg/mL each in Hexane:Toluene (50:50)			
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		17 comps.

Method 8080/8081 Matrix Spike Solutions & Surrogates at Working Level

Matrix Spiking Solutions

For Water Samples

CLP-014-5ML			1 x 5 mL
CLP-014-25ML			1 x 25 mL
At stated conc. (ng/mL) in MeOH			
Aldrin	200	Endrin	500
4,4'-DDT	500	Heptachlor	200
Dieldrin	500	Lindane	200

For Waste Samples

CLP-014-5X-5ML			1 x 5 mL
CLP-014-5X-25ML			1 x 25 mL
At stated conc. (ng/mL) in MeOH			
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

CLP-032R-WL-10ML			1 x 10 mL
CLP-032R-WL-50ML			1 x 50 mL
CLP-032R-WL-100ML			1 x 100 mL
1 µg/mL each in Acetone			
Decachlorobiphenyl		Tetrachloro- <i>m</i> -xylene	2 comps.

For Waste Samples

CLP-032R-WL-5X-10ML			1 x 10 mL
CLP-032R-WL-5X-50ML			1 x 50 mL
CLP-032R-WL-5X-100ML			1 x 100 mL
5 µg/mL each in Acetone			
Decachlorobiphenyl		Tetrachloro- <i>m</i> -xylene	2 comps.

* ColdPAK required to maintain integrity of product.



EPA 8000 Series - Pesticide Methods

Method 8080/8081A/8081B Organochlorine Pesticides by Capillary Column GC/ECD

Single/Dual Column Organochlorine Pesticides

M-8081-SC		1 x 1 mL
M-8081-SC-PAK	SAVE	5 x 1 mL
1.0 mg/mL each in Hexane:Toluene (50:50)		
Aldrin	Dieldrin	
α-BHC	Endosulfan I	
β-BHC	Endosulfan II	
γ-BHC	Endosulfan sulfate	
δ-BHC	Endrin	
α-Chlordane	Endrin aldehyde	
γ-Chlordane	Endrin ketone	
4,4'-DDD	Heptachlor	
4,4'-DDE	Heptachlor epoxide (Isomer B)	
4,4'-DDT	Methoxychlor	

Technical Note

M-8081A-SC was formulated for use in combination with M-8081-SC when performing single or dual column pesticide analysis. These two product formulations provide the typically analyzed pesticides in one core mixture (M-8081-SC) with the additional 7 analytes (M-8081A-SC) to meet the 27 analytes listed in Method 8081 (January 1995).

Organochlorine Pesticide Mixes

M-8081A-SC		1 x 1 mL
M-8081A-SC-PAK	SAVE	5 x 1 mL
1.0 mg/mL each in Hexane:Toluene (50:50)		

Chlorobenzilate	Hexachlorocyclopentadiene
1,2-Dibromo-3-chloropropane	Isodrin
Diallate	Kepone
Hexachlorobenzene	

M-8081A-SC-R		1 x 1 mL
M-8081A-SC-R-PAK	SAVE	5 x 1 mL
1.0 mg/mL each in Hexane:Toluene (50:50)		

Chlorobenzilate	Hexachlorobenzene
1,2-Dibromo-3-chloropropane	Hexachlorocyclopentadiene
Diallate	Isodrin

Dual Column Organochlorine Pesticides

M-8081-DC		1 x 1 mL
1.0 mg/mL each in Hexane:Toluene (50:50)		

Alachlor	Etridiazole
Captafol	Hexachlorobenzene
Captan	Hexachlorocyclopentadiene
Chlorobenzilate	Isodrin
Chloroneb	Mirex
Chloropropylate	trans-Nonachlor
Chlorothalonil	Pentachloronitrobenzene
1,2-Dibromo-3-chloropropane	Perthane
DCPA	Propachlor
Diallate	Permethrin * (cis & trans)
Dicofol	Trifluralin

* Certificate will reflect actual cis/trans ratio

Tailing Test Standard

M-8081-T		1 x 1 mL
1.0 mg/mL each in Hexane:Toluene (50:50)		

Carbophenothion	Kepone
Dichlone	Nitrofen

M-8081-T-R		1 x 1 mL
1.0 mg/mL each in Hexane:Toluene (50:50)		

Carbophenothion	Nitrofen
Dichlone	

Surrogate Standards

CLP-032-R		1 x 1 mL
CLP-032-R-PAK	SAVE	5 x 1 mL
0.2 mg/mL each in Acetone		

Decachlorobiphenyl	Tetrachloro- <i>m</i> -xylene
--------------------	-------------------------------

CLP-034		1 x 1 mL
CLP-034-PAK	SAVE	5 x 1 mL
0.2 mg/mL each in Acetone		

Dibutylchlorendate	Tetrachloro- <i>m</i> -xylene
--------------------	-------------------------------

M-8081-SS-X		1 x 1 mL
M-8081-SS-X-PAK	SAVE	5 x 1 mL

1.0 mg/mL in Acetone

2-Bromobiphenyl

For Dual Column

M-8081-SS-DC		1 x 1 mL
M-8081-SS-DC-PAK	SAVE	5 x 1 mL

1.0 mg/mL in Acetone

4-Chloro-3-nitrobenzotrifluoride

Internal Standards

M-8081-IS		1 x 1 mL
M-8081-IS-PAK	SAVE	5 x 1 mL

1.0 mg/mL in Acetone

Pentachloronitrobenzene (PCNB)

M-8081-IS-X		1 x 1 mL
M-8081-IS-X-PAK	SAVE	5 x 1 mL

1.0 mg/mL in Acetone

α,α-Dibromo- <i>m</i> -xylene

For Dual Column

M-8081-IS-DC		1 x 1 mL
M-8081-IS-DC-PAK	SAVE	5 x 1 mL

1.0 mg/mL in Acetone

1-Bromo-2-nitrobenzene

Decomposition Standard

M-8081-DS		1 x 1 mL
M-8081-DS-PAK	SAVE	5 x 1 mL

0.2 mg/mL each in Hexane

4,4'-DDT	Endrin
----------	--------



Method 8085 Pesticides by GC/AED

Nitrogen Containing Pesticides

Mix #1

M-8085-N1 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 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 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 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	Prebane	5	Triallate	13
Cyanazine	7.5	Profluralin	12	Vernolate	10

Mix #3

M-8085-N3 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 15 comps.

Butachlor	30	Gesatamine	7.5	cis-Permethrin	10
Carboxin	30	Hexazinone	7.5	Resmethrin	10
Diallate	35	Karmex	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 **1 x 5 mL**
2.5 $\mu\text{g/mL}$ each in Hexane 23 comps.

Aldrin	p,p'-DDE	Endrin ketone
α -BHC	p,p'-DDT	Heptachlor
β -BHC	Dieldrin	Heptachlor epoxide (Isomer B)
γ -BHC	Endosulfan I	Methoxychlor
δ -BHC	Endosulfan II	cis-nonachlor
γ -Chlordane	Endosulfan sulfate	Oxychlordane
α -Chlordane	Endrin	Pentachloroanisole
p,p'-DDD	Endrin aldehyde	

Mix #2

M-8085-C2 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in Hexane 9 comps.

Captan	6.75	Hexachlorobenzene	2.5
Captafol	12.5	Kelthane	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 **1 x 5 mL**
At stated conc. (ng/mL) in MtBE 15 comps.

Decachlorobiphenyl	492	Pentachloronitrobenzene	1690
Diazinon	9800	Phorate	2100
4,4'-Dibromooctafluorobiphenyl	1000	Silvex methyl ester	400
Dichlobenil	6140	Terbufos	7600
Dursban	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 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 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
Dursban	4	Merphos	6
Dyfonate	3	Sulfotep	3

Mix #2

M-8085-P2 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 12 comps.

Azinphos methyl	8	Ethoprop	4	Methyl parathion	3.5
Bolstar	3.5	Fensulfotiothion	5	Parathion	4
Diazinon	4	Fenthion	3.5	Phorate	3.5
Dimethoate	4	Imidan	5.5	Ronnel	3.5

Herbicides as Methyl Derivatives

Mix #1

M-8085-H1-M **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 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 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 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 **1 x 5 mL**
At stated conc. ($\mu\text{g/mL}$) in MtBE 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 **1 x 5 mL**
20 $\mu\text{g/mL}$ each in MtBE 2 comps.

Dibutylchloroendate	Tetrachloro-m-xylene
---------------------	----------------------

Herbicide Surrogate

M-8085-HERB-SS **1 x 5 mL**
20 $\mu\text{g/mL}$ in MtBE

2,4,6-Tribromophenol



EPA 8000 Series - Pesticide Methods

Method 8140 Organophosphorous Pesticides by GC/NPD/ELCD/FPD

Organophosphorous Pesticides

M-8140M

M-8140M-PAK

0.04 mg/mL each in Hexane

SAVE

1 x 1 mL
5 x 1 mL
20 comps.

M-8140M-5X *

M-8140M-5X-PAK *

0.2 mg/mL each in Hexane:Acetone (95:5)

SAVE

1 x 1 mL
5 x 1 mL
20 comps.

Organophosphorous Pesticide Set

M-8140-SET

20 x 1 mL

Each at 1.0 mg/mL in Hexane, * Hexane:Acetone (95:5)

Compound	Cat. No.	1 mL	Compound	Cat. No.	1 mL	Compound	Cat. No.	1 mL
Azinphosmethyl	M-8140-01		Disulfoton	M-8140-08		Naled	M-8140-15	
Bolstar	M-8140-02		Ethoprop	M-8140-09		Phorate	M-8140-16	
Chlorpyrifos	M-8140-03		Fensulfothion	M-8140-10 *		Ronnel	M-8140-17	
Coumaphos	M-8140-04		Fenthion	M-8140-11		Stirophos	M-8140-18	
Demeton	M-8140-05		Merphos	M-8140-12		Tokuthion	M-8140-19	
Diazinon	M-8140-06		Methyl parathion	M-8140-13		Trichloronate	M-8140-20	
Dichlorovos	M-8140-07		Mevinphos	M-8140-14				* Hexane:Acetone (95:5)

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

SAVE

1 x 1 mL
5 x 1 mL
7 comps.

M-8141-SET

Each at 1.0 mg/mL in Hexane, * Hexane:Acetone (90:10), ** (95:5)

7 x 1 mL

Compound	Cat. No.	1 mL
Dimethoate	M-8141-01 *	
EPN	M-8141-02	
Malathion	M-8141-03	
Monocrotophos	M-8141-04 **	
Ethyl parathion	M-8141-05	
Sulfotep	M-8141-06	
TEPP	M-8141-07	

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

Compound	Cat. No.	1 mL
Azinphos-ethyl	M-8141A-1-01	
Carbophenothion	M-8141A-1-02	
Chlorfenvinphos	M-8141A-1-03	
Dioxathion	M-8141A-1-04 *	
Ethion	M-8141A-1-05	
Famphur	M-8141A-1-06	
Leptophos	M-8141A-1-07	
Phosmet	M-8141A-1-08	
Phosphamidon	M-8141A-1-09 *	
Terbufos	M-8141A-1-10	

Mix #3

M-8141A-2M

0.2 mg/mL each in Hexane

1 x 1 mL
9 comps.

M-8141A-2-SET

Each at 1.0 mg/mL in Hexane

9 x 1 mL

Aspon
Chlorpyrifos methyl ester
Crotoxyphos
Dichlofenthion
Dicrotophos

Fenitrothion
Fonionphos
Thionazin
Trichlorfon

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

SAVE

1 x 1 mL

5 x 1 mL

2 comps.

Atrazine

Simazine

M-8141B-HSD

M-8141B-HSD-PAK

0.2 mg/mL each in Hexane

SAVE

1 x 1 mL

5 x 1 mL

9 comps.

Chlorpyrifos
Coumaphos
Dichlorvos

EPN
Naled
Ronnel

Stirophos
Trichloronate
Tokuthion

Internal Standard for NPD

M-8141A-IS

M-8141A-IS-PAK

1.0 mg/mL in Acetone

SAVE

1 x 1 mL

5 x 1 mL

1-Bromo-2-nitrobenzene

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.

Surrogate Standard for NPD & FPD

M-8141A-SS

M-8141A-SS-PAK

1.0 mg/mL each in Acetone

SAVE

1 x 1 mL

5 x 1 mL

2 comps.

Tributylphosphate

Triphenylphosphate

Surrogate Standard for NPD only

M-8141A-SS-X

M-8141A-SS-X-PAK

1.0 mg/mL in Acetone

SAVE

1 x 1 mL

5 x 1 mL

4-Chloro-3-nitrobenzotrifluoride

Technical Note

Organophosphorus and Nitrogen/Phosphorus pesticides are light sensitive, store in deactivated amber vials.



Method 8150A/8150B Chlorinated Herbicides by GC/ECD

Chlorinated Herbicides in Ground Water (Rev. 1, July 1992) and their Methyl Derivatives

Compound	(mg/mL) Conc.	Herbicides Acids	Methyl Derivative
		(in MeOH) Cat. No.	(in Hexane) Cat. No.
2,4-D	0.2	M-8150S-A-01	M-8150-01
2,4-DB	0.2	M-8150S-A-02	M-8150-02
2,4,5-T	0.2	M-8150S-A-03	M-8150-03
2,4,5-TP	0.2	M-8150S-A-04	M-8150-04
Dalapon	0.2	M-8150S-A-05 *	M-8150-05
Dicamba	0.2	M-8150S-A-06	M-8150-06
Dichlorprop	0.2	M-8150S-A-07	M-8150-07
Dinoseb	0.2	M-8150S-A-08	M-8150-08
MCPA	2.0	M-8150S-A-09	M-8150-09
MCPP	2.0	M-8150S-A-10	M-8150-10
		M-8150A-SET *	M-8150-SET 10 x 1 mL

Underivatized Solution (Varied Concentration)

M-8150A		1 x 1 mL
M-8150A-PAK	SAVE	5 x 1 mL
0.1 mg/mL in MeOH, 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 Solutions (Varied Concentration)

M-8150		1 x 1 mL
0.1 mg/mL in MeOH, 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	

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 MeOH		
2,4-D	Dichlorprop	MCPP
Dalapon	Dinoseb	2,4,5-TP
2,4-DB	MCPA	2,4,5-T
Dicamba		

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		

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

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
1.0 mg/mL in Acetone		
2,4-Dichlorophenylacetic acid		

M-8150M-2		1 x 1 mL
M-8150M-2-PAK	SAVE	5 x 1 mL
2,000 µg/mL each in Hexane		
MCPA methyl ester	MCPP methyl ester	

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 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		

* ColdPAK required to maintain integrity of product.



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 CH₂Cl₂ 9 comps.

Dimethoate	Thionazin	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 CH₂Cl₂ 6 comps.

Aramite	Isodrin
Chlorobenzilate	Kepone
Diallate	Pronamide

M-8270-16 1 x 1 mL
1000 µg/mL each in CH₂Cl₂ 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 CH₂Cl₂ 7 comps.

Brominal	Dinocap
Captafol	Fluchloralin
Captan	Nitrofen
Dinex	

M-8270-18 1 x 1 mL
1000 µg/mL each in CH₂Cl₂ 6 comps.

Carbaryl	Mexacarbate
Carbofuran	Schradan (Octamethylpyrophosphoramidate)
Ethyl carbamate	Phenobarbital

M-8270-19 1 x 1 mL
1000 µg/mL each in CH₂Cl₂ 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 CH₂Cl₂ 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 CH₂Cl₂ 14 comps.

Chlorobenzilate	Disulfoton	Phorate
Diallate	Famphur	Silvex (2,4,5-TP)
2,4-D	Kepone	Sulfotep
Dimethoate	Methyl parathion	Thionazin
Dinoseb	Parathion	

APP-9-014-D-10X 1 x 1 mL
2.0 mg/mL in CH₂Cl₂

Aramite

* ColdPAK required to maintain integrity of product



Method 8318 N-Methylcarbamates by HPLC

N-Methylcarbamates

M-8318M 1 x 1 mL
0.1 mg/mL each in MeOH 10 comps.

M-8318-SET 10 x 1 mL
Each at 0.1 mg/mL in MeOH

Aldicarb	3-Hydroxycarbofuran
Aldicarb sulfone	Methiocarb
Carbaryl	Methomyl
Carbofuran	Promecarb
Dioxacarb	Propoxur

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 AcCN 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 AcCN 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 AcCN: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		

Performance Check Solution

M-553-PC 1 x 1 mL
0.1 mg/mL in AcCN

DFTPPO (Decafluorotriphenylphosphine oxide)

† Subject to oxidation



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
<i>At stated conc. (µg/mL) in Toluene</i> 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
<i>10 µg/mL each in Toluene</i> 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
<i>At stated conc. (µg/mL) in Toluene</i> 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
<i>At stated conc. (µg/mL) in Toluene</i> 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
<i>At stated conc. (µg/mL) in Ethyl acetate</i> 8 comps.	
Atrazine	200
Cyanazine	200
Desmertryn	500
Metribuzin	500
Prometryne	500
Simazine	200
Terbutryn	500
Tetrachlorvinphos	10

Tetrachlorvinphos Surrogate / Internal Standard

AE-00047	1 x 1 mL
<i>1000 µg/mL in Acetonitrile</i>	
Tetrachlorvinphos	

Pesticide Mix #6

AE-00015	1 x 1 mL
AE-00015-10ML	1 x 10 mL
<i>At stated conc. (µg/mL) in Toluene</i> 8 comps.	
Chlorpyrifos-methyl	100
Diazinon	100
Ethion	100
Etrimfos	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
<i>At stated conc. (µg/mL) in Toluene</i> 8 comps.	
Bromophos-methyl	100
Bromophos-ethyl	150
Fenitrothion	200
Methacryfos	150
Omethoate	150
Phosalone	100
Tetrachlorvinfos	10
Tolclofos-methyl	100

Pesticide Mix #8

AE-00017	1 x 1 mL
AE-00017-10ML	1 x 10 mL
<i>At stated conc. (µg/mL) in Toluene:Acetone:Hexane (90:5:5)</i> 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
<i>At stated conc. (µg/mL) in Toluene</i> 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
<i>At stated conc. (µg/mL) in Toluene</i> 7 comps.	
Benalaxyl	500
Carbaryl	500
Oxadixyl	500
Terbutylazine	250
Tetrachlorvinphos	10
Triadimefon	500
Triadimenol	500



Pesticide Standards (Cont.)

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 #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 1 x 1 mL
AE-00021-10ML 1 x 10 mL
 At stated conc. (µg/mL) in Toluene 9 comps.

Carbophenothion	100
Disulfoton	150
Fenthion	100
Methamidophos	100
Phorate	150
Phorate sulfonate	100
Phorate sulfone	150
Tetrachlorvinphos	10
Thiomethon	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

Pesticide Mix #14

AE-00023 1 x 1 mL
AE-00023-10ML 1 x 10 mL
 At stated conc. (µg/mL) in Toluene 10 comps.

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, BGBl, I, S. 760.

Pesticide Mix #15

AE-00024 1 x 1 mL
AE-00024-10ML 1 x 10 mL
 0.02 µg/mL each in Ethyl acetate 33 comps.

Atrazine	Linuron
Bifenoxy	Pencycuron
Bromacil	Pendimethalin
Carbetamide	Prometryne
Chloridazo	Propazine
Chloroxuron	Metamitron
Chlorpropham	Metazachlor
Chlortoluron	Methabenzthiazuron
Crimidine	Methoprotryne
Cyanazine	Metobromuron
Desethyl atrazine	Metolachlor
Desisopropylatrazine	Monolinuron
Desethylterbutylazine	Sebuthylazin
Dimetufuron	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

AE-00030 1 x 1 mL
AE-00030-10ML 1 x 10 mL
 10 µg/mL each in Ethyl acetate 20 comps.

Aldicarb	Lindane
Atrazine	MCPA *
Bentazone *	Mechlorprop *
Chlortofuron	Metazachlor
Cyanazine	Metobromuron
2,4-D *	Metoxuron
Dichlorprop *	Sebuthylazin
1,3-Dichloropropene	Simazine
Endosulfan I	Terbutylazine
Endosulfan II	
Isoproturon	* Underivatized

Regulations - Test methods for organochlorine and organophosphorus compounds and pyrethroid Current Science and Technology, German Book of Medicine (1996).

Pesticide Mix #17

AE-00027 1 x 1 mL
AE-00027-10ML 1 x 10 mL
 10 µg/mL each in Toluene 14 comps.

Alachlor	Pentachloraniline
Bromopropylate	cis-Permethrin
Carbophenothion	trans-Permethrin
Cypermethrin	Piperonyl butoxide
Deltamethrin	Pyrethrins
Endosulfane sulfate	Quintozene
Fenvalerate	
Methyl pentachlorophenyl sulfide	

Pesticide Mix #18

AE-00028 1 x 1 mL
AE-00028-10ML 1 x 10 mL
 10 µg/mL each in Toluene 16 comps.

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

AE-00029 1 x 1 mL
AE-00029-10ML 1 x 10 mL
 10 µg/mL each in Toluene 13 comps.

Chlorpyrifos-methyl	Fenitrothion
p,p'-DDT	Lindane
Deltamethrin	Methyl parathion
Dichlorvos	Phosalone
Dieldrin	Quintozene
Endosulfan sulfate	Tecnazene
Ethion	

Pesticide Mix #20

AE-00050 1 x 1 mL
AE-00050-10ML 1 x 10 mL
 10 µg/mL each in Ethyl acetate 20 comps.

Aldicarb	Isoproturon
Atrazine	γ-BHC
Bentazon	MCPA
Chlortoluron	MCPA acid
Cyanazine	Metazachlor
2,4-D	Metobromuron
Dichlorprop	Metoxuron
1,1-Dichloropropene	Sebutylazin
Endosulfan I	Simazine
Endosulfan II	Terbutylazine

Pesticide Mix #21

AE-00051 1 x 1 mL
AE-00051-10ML 1 x 10 mL
 10 µg/mL each in Cyclohexane 16 comps.

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

AE-00052 1 x 1 mL
AE-00052-10ML 1 x 10 mL
 10 µg/mL each in Acetonitrile 8 comps.

Atrazine	Metoxuron
Desethyl atrazine	Propazine
Bromacil	Simazine
Chloridazon	Terbutylazine

Pesticide Mix #23

AE-00053 1 x 1 mL
AE-00053-10ML 1 x 10 mL
 10 µg/mL each in Acetonitrile 6 comps.

2,4-D	MCPA
2,4-DB	MCPB
Dichlorprop	MCPA acid



European Methods - Pesticide Methods

Pesticide Standards (Cont.)

Pesticide Mix #24

AE-00054	1 x 1 mL		
AE-00054-10ML	1 x 10 mL		
At stated conc. ($\mu\text{g/mL}$) in Cyclohexane			
		6 comps.	
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

AE-00055	1 x 1 mL		
AE-00055-10ML	1 x 10 mL		
10 $\mu\text{g/mL}$ each in Cyclohexane			
		4 comps.	
α -BHC		γ -BHC	
β -BHC		δ -BHC	

Pesticide Mix #27

AE-00057	1 x 1 mL		
AE-00057-10ML	1 x 10 mL		
1.0 $\mu\text{g/mL}$ each in Isooctane			
		13 comps.	
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			

Pesticide Mix #26

AE-00056	1 x 1 mL		
AE-00056-10ML	1 x 10 mL		
1.0 $\mu\text{g/mL}$ each in Cyclohexane			
		5 comps.	
α -BHC		δ -BHC	
β -BHC		ϵ -BHC	
γ -BHC			

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 $\mu\text{g/mL}$ each in Acetone 12 comps.

Atrazine	Propazine
Cyanazine	Sebutylazin
Metazachlor	Simazine
Parathion	Terbutylazine
Methyl parathion	Trifluralin
Pendimethalin	Vinclozolin

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 $\mu\text{g/mL}$ 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 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 $\mu\text{g/mL}$ 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

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 $\mu\text{g/mL}$ each in Ethyl acetate 17 comps.

Atrazine	Methabenzthiazuron
Chlortoluron	Metobromuron
Cyanazine	Metolachlor
Desethyl atrazine	Metoxuron
Hexazinone	Monolinuron
Isoproturon	Sebutylazin
Karmex (Diuron)	Simazine
Linuron	Terbutylazine
Metazachlor	

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 $\mu\text{g/mL}$ each in Acetonitrile 21 comps.

Alachlor	Monuron
Atrazine	Parathion
Chlorfenvinphos	Pendimethalin
Chlortoluron	Propazine
Cyanazine	Sebutylazin
2,4-D	Simazine
MCPA acid	2,4,5-T
Metazachlor	Terbutylazine
Metobromuron	Trifluralin
Metolachlor	Vinclozolin
Metoxuron	

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 $\mu\text{g/mL}$ 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

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 $\mu\text{g/mL}$ 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	

Canadian Drinking Water - Brownfield Regulation

Phenoxyacid Herbicides Mix

CCME-CDW-PHERB 1 x 1 mL
1000 $\mu\text{g/mL}$ 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 $\mu\text{g/mL}$ 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	Oxychlordane Isomer
2,4'-DDT	Trifluralin

Korean Drinking Water Regulation

Pesticide Mix

KDWR-003 1 x 1 mL
KDWR-003-PAK **SAVE** 5 x 1 mL
1000 $\mu\text{g/mL}$ each in MeOH 5 comps.

Carbaryl
Diazinon
Fenitrothion
Malathion
Parathion

Carbamates Mix

CCME-CDW-CARB 1 x 1 mL
100 $\mu\text{g/mL}$ each in AcCN 5 comps.

Aldicarb	Carbofuran
Bendiocarb	Triallate
Carbaryl	

CAS Number Index



50-29-3	29	107-07-3	19	512-56-1	106	1689-83-4	61	2642-81-1	19	10265-92-6	73
50-65-7	75	107-49-3	97	527-20-8	79	1689-84-5	12	2655-14-3	107	10290-37-6	33, 34
50-73-7	103	112-12-9	71	532-34-3	60	1689-99-2	13	2655-15-4	105	10311-84-9	31
51-03-6	82	112-56-1	65	533-23-3	27	1698-60-8	88	2664-63-3	100	10443-70-6	66
51-36-5	33	113-48-4	73	533-74-4	28	1702-17-6	C, 65	2675-77-6	19	10453-86-8	91
51-79-6	45	114-26-1	7	534-52-1	38	1713-15-1	27	2686-99-9	105	10548-10-4	97
52-68-6	103	115-26-4	36	535-89-7	23	1746-81-2	73	2797-51-5	91	10552-74-6	76
52-85-7	46	115-29-7	42	555-37-3	75	1770-80-5	32	2813-95-8	38	10605-21-7	15
53-19-0	29	115-32-2	64	556-22-9	56	1825-19-0	71	2814-20-2	62	10606-46-9	34
55-38-9	48	115-86-6	106	557-30-2	43	1825-21-4	79	2828-42-4	87	11141-17-6	6
56-35-9	103	115-90-2	28	563-12-2	44	1836-75-5	75	2905-67-1	71	12069-69-1	22
56-38-2	79	116-06-3	3	575-89-3	95	1836-77-7	18	2921-88-2	41	12071-83-9	86
56-72-4	23	116-29-0	98	575-90-6	27	1861-32-1	27	2976-74-1	33	12122-67-7	107
58-89-9	65	117-18-0	98	582-44-5	74	1861-40-1	8	3060-89-7	72	12427-38-2	66
59-40-5	94	117-80-6	32	584-79-2	3	1897-45-6	20	3244-90-4	5	12771-68-5	5
60-51-5	37	119-12-0	89	593-51-1	71	1910-42-5	79	3336-39-8	13	12789-03-6	17
60-57-1	34	120-36-5	33	598-02-7	35	1912-24-9	5, 111, 113	3337-71-1	5	13067-93-1	24
61-82-5	4	120-62-7	95	608-73-1	10	1912-26-1	104, 114	3347-22-6	40	13071-79-9	97
62-38-4	80	120-82-1	103	626-43-7	33	1918-00-9	32	3383-96-8	1	13121-70-5	26
62-73-7	34	120-93-4	60, 112	634-66-2	98	1918-02-1	82	3397-62-4	6, 113	13171-21-6	81
62-74-8	93	121-75-5	65	634-90-2	98	1918-11-2	97	3424-82-6	29	13181-17-4	12
63-25-2	15	122-10-1	11	636-83-3	74	1918-13-4	21	3440-19-5	32, 113	13194-48-4	44
66-81-9	24	122-14-5	47, 48, 50	639-58-7	106	1918-16-7	85	3478-94-2	82	13356-08-6	47
72-20-8	42	122-34-9	93, 111, 113	640-15-3	100	1918-18-9	95	3567-62-2	33	13360-45-7	17
72-43-5	70	122-42-9	86	645-92-1	113	1928-37-6	95	3689-24-5	95	13457-18-6	88
72-54-8	29	122-88-3	23	673-04-1	93, 114	1928-38-7	27	3691-35-8	19	13593-03-8	90
72-55-9	29	123-33-1	65	680-31-9	57	1928-43-4	27	3703-10-4	63, 113	13684-56-5	31
72-56-0	80	126-68-1	104	709-98-8	85	1929-73-3	27	3734-33-6	11	13684-63-4	80
75-60-5	37	126-75-0	30	731-27-1	102	1929-77-7	107	3734-48-3	17	14143-55-6	82
75-99-0	28	127-20-8	41	732-11-6	59	1929-82-4	75	3740-92-9	47	14214-32-5	35
76-03-9	103	127-90-2	91	741-58-2	9	1967-16-4	17	3766-60-7	14	14484-64-1	49
76-06-2	20	128-03-0	83	759-94-4	43	1982-47-4	20	3766-81-2	7	14698-29-4	78
76-44-8	57	128-04-1	31	786-19-6	15	1982-49-6	92	3813-05-6	8	14816-18-3	81
76-87-9	49	131-72-6	68	789-02-6	29	2008-41-5	14	3861-47-0	61	15096-52-3	23
78-34-2	39	131-89-5	38	813-78-5	37	2008-58-4	33	3878-19-1	55	15263-53-3	16
78-40-0	104	132-66-1	2	834-12-8	3, 111, 113	2012-00-2	42	4147-51-7	39, 113	15299-99-7	75
78-48-8	30	133-06-2	15	841-06-5	70, 113	2032-59-9	4	4482-55-7	49	15310-01-7	8
80-33-1	77	133-07-3	54	879-39-0	98	2032-65-7	70	4726-14-1	75	15457-05-3	53
80-38-6	48	133-90-4	16	886-50-0	83	2104-64-5	42	4824-78-6	12	15545-48-9	21
81-81-2	107	134-62-3	30	887-54-7	73	2104-96-3	12	4841-20-7	93	15972-60-8	2
81-82-3	23	136-45-8	73	900-95-8	48	2122-19-2	86	4849-32-5	64	16118-49-3	15
82-66-6	39	136-78-7	39	919-86-8	30	2132-70-9	70	5006-66-6	58, 112	16484-77-8	67
82-68-8	79	137-26-8	101	933-20-0	4	2136-79-0	28	5103-71-9	17	16655-82-6	58
83-05-6	29	137-30-4	107	944-22-9	41	2163-68-0	58, 111, 113	5103-73-1	76	16672-87-0	43
83-26-1	82	139-40-2	86, 111, 113	947-02-4	81	2163-69-1	25	5103-74-2	17	16709-30-1	64
83-79-4	91	140-41-0	74	950-10-7	67	2163-80-6	13	5131-24-8	40	16752-77-5	70
85-34-7	46	140-56-7	46	950-35-6	71	2164-08-1	64	5234-68-4	16	17040-19-6	30
85-40-5	98	140-57-8	5	950-37-8	69	2164-17-2	52	5259-88-1	78	17109-49-8	41
86-50-0	6	141-66-2	34	953-17-3	71	2179-25-1	70	5326-23-8	20, 112	17606-31-4	9
86-86-2	74	142-59-6	74	957-51-7	39	2181-42-2	106	5598-13-0	20	17640-02-7	28
86-87-3	74	143-50-0	64	959-98-8	41	2212-67-1	73	5598-15-2	20	17781-16-7	15
87-41-2	62	144-21-8	41	961-22-8	7	2227-13-6	99	5836-10-2	20	17804-35-2	8
87-61-6	103	145-73-3	42	962-58-3	31	2255-17-6	67	5836-29-3	23	18181-70-9	60
88-06-2	103	148-79-8	99	999-81-5	18	2275-18-5	87	5902-51-2	97	18181-80-1	13
88-82-4	105	150-50-5	68	1007-28-9	6, 111, 113	2275-23-2	107	5915-41-3	97, 112, 114	18625-12-2	28
88-85-7	38	150-68-5	74	1014-69-3	31, 113	2303-16-4	31	6099-79-2	38	18691-97-9	69
90-15-3	74	152-16-9	92	1014-70-6	93, 114	2303-17-5	102	6164-98-3	17	19044-88-3	77
90-43-7	81	288-88-0	103	1022-22-6	29	2307-68-8	80	6190-65-4	5, 111, 113	19666-30-9	77
90-98-2	33	297-78-9	62	1024-57-3	57	2310-17-0	81	6385-62-2	39	19719-28-9	33
91-53-2	44	297-97-2	100	1031-07-8	42	2312-35-8	86	6515-38-4	103	19937-59-8	72
92-84-2	80	298-00-0	71	1066-51-9	4	2385-85-5	73	6597-78-0	32	19988-24-0	5, 111, 113
93-71-0	3	298-02-2	81	1071-83-6	56	2425-06-1	15	6734-80-1	69	20115-23-5	80
93-72-1	92	298-03-3	30	1085-98-9	32	2436-73-9	66	6923-22-4	73	20624-25-3	93
93-76-5	95	298-04-4	39	1113-02-6	77	2439-01-2	16	6967-29-9	19	21087-64-9	72
93-79-8	95	299-84-3	91	1114-71-2	101	2439-10-3	40	6988-21-2	39	21564-17-0	13
94-74-6	66	299-86-5	23	1129-41-5	72	2463-84-5	32	7085-19-0	66	21609-90-5	64
94-75-7	27	300-76-5	74	1134-23-2	24	2497-06-5	39	7286-69-3	92, 111, 113	21725-40-6	30
94-80-4	27	301-12-2	78	1194-65-6	32	2497-07-6	40	7286-84-2	16	21725-46-2	23, 111, 113
94-81-5	66	309-00-2	3	1214-39-7	9	2536-31-4	18	7287-19-6	85, 111, 113	22042-59-7	16
94-82-6	28	311-45-5	78	1216-44-0	52	2540-82-1	54	7287-36-7	73	22175-22-0	19
94-96-2	45	314-40-9	12	1330-78-5	104	2545-59-7	95	7313-54-4	6, 111, 113	22212-55-1	9
95-06-7	94	315-18-4	73	1332-40-7	22	2581-34-2	71	7332-32-3	16	22224-92-6	46
95-94-3	98	319-84-6	9	1420-06-0	104	2588-03-6	81	7421-93-4	42	22248-79-9	98
96-12-8	55	319-85-7	10	1420-07-1	39	2588-04-7	81	7696-12-0	99	22781-23-3	8
96-24-2	20	319-86-8	10	1469-48-3	98	2588-05-8	81	7700-17-6	23	22936-75-0	36, 113
96-45-7	45	327-98-0	103	1532-24-7	22	2588-06-9	81	7773-06-0	4	22936-86-3	26, 113
97-17-6	32	330-54-1	64	1563-38-8	36	2593-15-9	98	7778-44-1	15	23031-36-9	83
97-23-4	33	330-55-2	65	1563-66-2	15	2595-54-2	66	7786-34-7	73	23103-98-2	83
99-30-9	12	333-41-5	31	1570-64-5	19	2597-03-7	80	8001-35-2	102	23135-22-0	77
100-17-4	75	465-73-6	62	1582-09-8	105	2599-11-3	93, 113	8001-50-1	94	23184-66-9	13
101-05-3	5, 113	470-90-6	18	1596-84-5	2	2600-69-3	81	8003-34-7	88	23422-53-9	54
101-21-3	20	485-31-4	10	1610-17-9	55, 111, 113	2631-37-0	85	8018-01-7	65	23505-41-1	83
101-27-9	7	495-48-7	6	1610-18-0	85, 111, 113	2631-40-5	62	8065-48-3	30	23560-59-0	57
101-42-8	49	500-28-7	21	1634-78-2	65	2635-10-1	70	9002-91-9	68	23564-05-8	101
103-17-3	17	504-24-5	4	1646-87-3	3	2636-26-2	24	9006-42-2	71	23564-06-9	100
103-23-1	45	510-15-6	18	1646-88-4	3	2642-71-9	6	10004-44-1	58	23576-24-1	76



CAS Number Index

23844-56-6	66	39148-24-8	55	60568-05-0	55	82211-24-3	60	114311-32-9	58	149979-41-9	97
23947-60-6	44	39184-27-5	100	60825-26-5	104	82558-50-7	63	114369-43-6	46	150114-71-9	4
23950-58-5	85	39184-59-3	100	61213-25-0	53	82560-54-1	8	114420-56-3	21	150824-47-8	112
24017-47-8	103	39196-18-4	100	61592-45-8	9	82657-04-3	10	115044-19-4	56	153197-14-9	78
24151-93-7	82	39300-45-3	38	62610-77-9	69	83055-99-6	8	115086-54-9	59	153233-91-1	45
24157-81-1	36	39515-40-7	26	62850-32-2	47	83121-18-0	96	115852-48-7	47	153719-23-4	99, 112
24307-26-4	67	39515-41-8	28	62924-70-3	51	83164-33-4	35	116255-48-2	13	155569-91-8	41
24353-61-5	62	39765-80-5	76	63284-71-9	106	83657-17-4	106	116714-46-6	76	156052-68-5	107
24579-73-5	85	39807-15-3	77	63935-38-6	25	83657-22-1	106	117337-19-6	53	156963-66-5	9
24602-86-6	104	39856-16-1	40	64249-01-0	5	83657-24-3	38	117428-22-5	82	158062-67-0	50
24691-76-7	87	40487-42-1	79	64529-56-2	44	84087-01-4	90	117718-60-2	99	158353-15-2	87
24691-80-3	47	40596-69-8	70	64628-44-0	105	84332-86-5	21	118134-30-8	94	161050-58-4	70
24934-91-6	18	40843-25-2	34	64700-56-7	104	84496-56-0	22	118712-89-3	102	161326-34-7	46
25057-89-0	9	41083-11-8	7	64902-72-3	20	85509-19-9	53	119168-77-3	96	161922-37-8	67
25311-71-1	62	41198-08-7	84	65907-30-4	55, 112	85785-20-2	43	119446-68-3	35	163515-14-8	37
25606-41-1	85	41394-05-2	69	66063-05-6	79	86209-51-0	84	120067-83-6	49, 112	165252-70-0	38, 112
26002-80-2	95	41483-43-6	13	66215-27-8	27, 113	86479-06-3	57	120068-36-2	49, 112	168088-61-7	88
26087-47-8	61	41814-78-2	104	66230-04-4	43	86598-92-7	59	120068-37-3	49, 112	168316-95-8	93
26225-79-6	44	42509-80-8	61	66246-88-6	79	86763-47-5	86	120116-88-3	24	171103-04-1	31, 112
26259-45-0	92, 113	42576-02-3	10	66332-96-5	54	87130-20-9	35	120162-55-2	6	173159-57-4	54
26399-36-0	84	42609-52-9	28	66441-23-4	47	87392-12-9	72	120738-89-8	75	173584-44-6	60
26530-20-1	76	42874-03-3	78	66840-71-9	40	87546-18-7	52	120868-66-8	59	175013-18-0	87
26644-46-2	105	43121-43-3	102	66841-25-6	102	87674-68-8	36	120923-37-7	4	177406-68-7	9
27304-13-8	78	43222-48-6	35	67018-59-1	83	87818-31-3	21	120928-09-8	46	178928-70-6	87
27314-13-2	76	50471-44-8	107	67129-08-2	69	87820-88-0	102	121451-02-3	76	179101-81-6	89
27355-22-2	55	50512-35-1	63	67306-00-7	48	88283-41-4	90	121552-61-2	26	180409-60-3	25
27605-76-1	84	50563-36-5	36	67375-30-8	26	88671-89-0	74	121776-33-8	55	181274-15-7	86
28044-83-9	57	50594-66-6	2	67485-29-4	58	88678-67-5	89	122008-85-9	25	183675-82-3	7
28057-48-9	10	50594-67-7	2	67564-91-4	48	90717-03-6	91	122453-73-0	18	187022-11-3	1
28159-98-0	61, 113	51026-28-9	83	67628-93-7	37	90952-64-0	19, 111, 113	122548-33-8	59	187166-15-0	93
28249-77-6	100	51218-45-2	72	67747-09-5	84	90982-32-4	40	122836-35-5	94	187166-40-1	93
28434-00-6	10	51218-49-6	83	68085-85-8	25	91465-08-6	25	122931-48-0	91	188425-85-6	11
28434-01-7	11	51235-04-2	57	68157-60-8	54	93697-74-6	88	123312-89-0	87	189278-12-4	87
28473-03-2	67	51338-27-3	34	68359-37-5	25	94125-34-5	87	123997-26-2	43	203313-25-1	94
28730-17-8	69	51630-58-1	49	68505-69-1	8	94361-06-5	26	124495-18-7	91	205650-65-3	49, 112
28772-56-7	12	51707-55-2	99	68694-11-1	105	94593-91-6	21	125116-23-6	69	205939-58-8	36
29027-13-2	71	52315-07-8	26	69327-76-0	13	95266-40-3	106	125225-28-7	61	208465-21-8	68
29091-05-2	38	52570-16-8	75	69377-81-7	53	95465-99-9	14	125306-83-4	14	210880-92-5	22, 112
29091-21-2	84	52645-53-1	80	69581-33-5	26	95617-09-7	47	126535-15-7	105	213464-77-8	77
29104-30-1	9	52756-22-6	7	69806-34-4	56	95737-68-1	90	126801-58-9	44	219714-96-2	79
29232-93-7	83	52756-25-9	50	69806-40-2	56	96182-53-5	96	126833-17-8	47	220899-03-6	72
29450-45-1	66	52888-80-9	87	69806-50-4	50	96489-71-3	89	127277-53-6	84	221205-90-9	90
29973-13-5	43	52918-63-5	30	70124-77-5	51	96491-05-3	99	128639-02-1	16	223580-51-6	101
30043-49-3	43	53112-28-0	89	70288-86-7	63	97780-06-8	43	129558-76-5	101	229977-93-9	50
30125-63-4	97, 114	53380-22-6	44	70630-17-0	68	97886-45-8	40	129630-19-9	88	239110-15-7	52
30558-43-1	77	53380-23-7	43	71283-80-2	47	98730-04-2	8	129909-90-6	4	243973-20-8	82
30560-19-1	1	53404-76-5	92	71422-67-8	18	98886-44-3	55	130000-40-7	100	256412-89-2	68
30614-22-3	83	53494-70-5	42	71526-69-7	67	98967-40-9	52	131341-86-1	51	272451-65-7	50
30667-99-3	70	53558-25-1	106	71561-11-0	88	99105-77-8	94	131475-57-5	102	283594-90-1	94
30979-48-7	62	54406-48-3	41	71626-11-4	7	99129-21-2	21	131807-57-3	46	335104-84-2	96
31218-83-4	86	54460-46-7	24	71751-41-2	1	99485-76-4	23	131860-33-8	7	337458-27-2	89
31717-87-0	40	54593-83-8	17	72178-02-0	54	99607-70-2	22	131983-72-7	106	348635-87-0	4
31895-22-4	100	54965-21-8	2	72940-01-8	48	99675-03-3	62	133220-30-1	60	361377-29-9	52
31972-43-7	46	55179-31-2	11	72963-72-5	60	100784-20-1	56	133408-50-1	72	365400-11-9	88
31972-44-8	46	55219-65-3	102	73250-68-7	67	101007-06-1	2	133855-98-8	43	372137-35-4	91
32809-16-8	84	55285-14-8	16	74051-80-2	92	101200-48-0	103	134605-64-4	14	374726-62-2	66
33089-61-1	4	55290-64-7	37	74070-46-5	2	101205-02-1	25	135158-54-2	1	412928-75-7	51
33213-65-9	41	55335-06-3	104	74115-24-5	22	101463-69-8	51	135186-78-6	89	422556-08-9	90
33245-39-5	51	55512-33-9	89	74222-97-2	94	102851-06-9	54	135410-20-7	1, 112	500008-45-7	16
33629-47-9	14	55635-13-7	3	74223-64-6	72	103055-07-8	65	135590-91-9	67	570415-88-2	86
33693-04-8	97, 114	55814-41-0	67	74712-19-9	12	103361-09-7	52	136426-54-5	52	581809-46-3	11
33820-53-0	62	55954-23-9	71	74782-23-3	77	104030-54-8	16	136849-15-5	25	658066-35-4	52
34014-18-1	96	56070-16-7	97	75736-33-3	34	104040-79-1	21	137641-05-5	82	676228-91-4	99, 112
34123-57-4	63	56073-10-0	12	76578-14-8	91	104098-48-8	58	138164-12-2	14	865318-97-4	3
34123-59-6	63	56425-91-3	53	76674-21-0	54	104206-82-8	68	138261-41-3	59, 112	868680-84-6	69
34205-21-5	36	56634-95-8	13	76738-62-0	11	105024-66-6	92	139528-85-1	72	874967-67-6	92
34256-82-1	1	57018-04-9	101	77182-82-2	56	105512-06-9	22	139968-49-3	68	881685-58-1	63
34622-58-7	77	57153-17-0	34	77458-01-6	87	105779-78-0	89	140163-89-9	59	907204-31-3	54
34643-46-4	101	57153-18-1	66	77732-09-3	77	106700-29-2	80	140923-17-7	61	946578-00-3	95, 112
34681-10-2	14	57160-47-1	18	78587-05-0	57	106917-52-6	53	140939-15-7	2	947601-85-6	72
34681-23-7	14	57369-32-1	90	79241-46-6	50	107534-96-3	96	141112-29-0	63	947601-87-8	51
34681-24-8	14	57646-30-7	55	79270-78-3	41	109293-97-2	35	141517-21-7	105	947601-88-9	85
35256-85-0	96	57837-19-1	68	79277-27-3	99	110235-47-7	67	141776-32-1	94	950782-86-2	60, 113
35367-38-5	35	57960-19-7	1	79538-32-2	96	110488-70-5	37	142459-58-3	51	1003318-67-9	78
35400-43-2	11	57966-95-7	26	79540-50-4	45	110956-75-7	80	143390-89-0	64	1031756-98-5	24
35554-44-0	58	58011-68-0	88	79622-59-6	50	111479-05-1	85	144171-61-9	60		
35575-96-3	6	58769-20-3	63	79983-71-4	57	111812-58-9	48	144550-36-7	61		
36556-77-1	30	58810-48-3	76	80060-09-9	31	111872-58-3	56	144651-06-9	78		
36576-42-8	24	59669-26-0	100	80844-07-1	45	111988-49-9	99, 112	145099-21-4	101		
36576-43-9	24	59756-60-4	53	81334-34-1	59	111991-09-4	75	145701-23-1	50		
36734-19-7	61	60168-88-9	11	81335-37-7	59	112226-61-6	56	147150-35-4	22		
36749-35-6	30	60207-31-0	6	81335-77-5	59, 111, 113	112281-77-3	98	147411-69-6	90		
37764-25-3	32	60207-90-1	101	81405-85-8	58	112410-23-8	96	147411-70-9	90		
38260-54-7	45	60207-93-4	44	81406-37-3	53	113136-77-9	24	148477-71-8	93		
38727-55-8	35	60238-56-4	21	81777-89-1	22	113507-06-5	74	149877-41-8	10		
38902-68-0	114	60397-77-5	37	82097-50-5	102	113614-08-7	7	149961-52-4	37		

Pesticide Name Index



- 3-(2,3-Dichlorophenyl)-1,1-dimethylurea 33
3,4,5-Trimethacarb 105
3,4,5-Trimethylphenyl methylcarbamic acid ester 105
3,4-DCPA 85
3,5,6-Trichloro-2-pyridinol 103
3,5,6-Trichloro-2-pyridyloxyacetic acid methyl ester 104
3,5-Dichloroaniline 33
3,5-Dichlorobenzeneamine 33
3,6-Endoxohexahydrophthalic acid 42
3-Chloro-1,2-propanediol 20
3-Cyclohexyl-5,6-trimethyleneuracil 64
3-Hydroxycarbofuran 58
3-Isoxazolol 58
3-Ketocarbofuran 64
3-Methyl-4-nitrophenol 71
4,4'-DDD 29
4,4'-DDE 29
4,4'-DDMU 29
4,4'-DDT 29
4,4'-Dibromobiphenyl 118
4,4'-Dibromooctafluorobiphenyl 119, 120, 137, 138
4,4'-Dichlorobenzophenone 33
4,4'-Dichlorobiphenyl 117
4,4'-Thiodiphenol 100
4,6-Dinitro-o-cresol 38
4,6-Dinitro-o-cyclohexylphenol 38
4-Aminopyridine 4
4-Bromo-3,5-dimethylphenyl-N-methylcarbamate 122
4-Chloro-2-methylphenol 19
4-Chloro-3-nitrobenzotrifluoride 134, 136
4-Chloro-o-tolxyoxyacetic acid, methyl ester 66
4-CPA 23
4-Nitroanisole 75
4-Tritylmorpholine 104
6-Chloropyridine-3-carboxylic acid 20, 112
6-Hydroxypyridine-3-carboxylic acid 58, 112
(E)-Metaminostrobin 72
(E)-Pyriminobac-methyl 90
(Z)-Pyriminobac-methyl 90
 , -Dibromo-m-xylene 134
1,1-bis(4-Chlorophenyl)ethylene 19
1,2,3,4-Tetrachloro-5-nitrobenzene 98
1,2,3,4-Tetrachlorobenzene 98
1,2,3,5-Tetrachlorobenzene 98
1,2,3,6-Tetrahydrophthalimide 98
1,2,3-Trichlorobenzene 103
1,2,4,5-Tetrachlorobenzene 98
1,2,4-Triazole 103
1,2,4-Trichlorobenzene 103
1,2-Dihydro-3,6-pyridazinedione 65
1,2-Ethanediybiscarbamodithioic acid, zinc complex 107
1-(3,4-Dichlorophenyl)-3-methylurea 33
1-(3-Chloro-methylphenyl)-3-methylurea 19
1,3-Dimethyl-2-nitrobenzene 117
1,4-Dichlorobenzene 138
1-(4-Isopropylphenyl)-3-methylurea 63
1-Bromo-2-nitrobenzene 134, 136
1-Naphthalene acetamide 74
1-Naphthol 74
1-Naphthylacetic acid 74
2,3,4,5,6-Pentachlorobenzeneamine 79
2,3,5,6-Tetrachloronitrobenzene 98
2,3,5-Trichlorobenzoic acid 103
2,3,5-Triiodobenzoic acid 105
2,3,5-Trimethacarb 105
2,3-D 33
2,3-Dichloronitrobenzene 33
2,3-Dichlorophenoxyacetic acid 33
2,3-Dihydro-2,2-dimethylbenzofuran-7-ol 36
2,3-Diuron 33
2,3-Diuron
 (1-chlorophenyl)-1,1-dimethylurea) 113
2,4,5-T 95, 126, 137
2,4,5-T acid 95
2,4,5-T butoxyethyl ester 95
2,4,5-T methyl ester 95
2,4,5-T n-butyl ester 95
2,4,5-TP 92, 126, 137
2,4,5-TP methyl ester 93
2,4,5-TP-PFB 129, 137
2,4,6-T 95
2,4,6-Tribromophenol 135
2,4,6-Trichlorophenol 103, 130, 131, 132
2,4-bis(Ethylamino)-6-diethylamino-s-triazine 44, 111, 113
2,4-D 27, 126, 137
2,4-D Acid 27
2,4-DB 28, 126, 137
2,4-DB acid 28
2,4-DB methyl ester 28
2,4-D butoxyethyl ester 27
2,4-D butylglycol ester 27
2,4'-DDD 29
2,4'-DDE 29
2,4'-DDT 29
2,4-D ethyl ester 27
2,4-D ethylhexyl ester 27
2,4-Dichloro-6-ethylamino-1,3,5-triazine 32, 113
2,4-Dichlorophenoxy acid 2-ethylhexyl ester 27
2,4-Dichlorophenylacetic acid 33, 119, 120, 130, 137, 138
2,4-D isobutyl ester 27
2,4-D methyl ester 27, 114
2,4-DMPF 37
2,4-DP 33
2,4-DP ethyl hexyl 41
2,4-D-PFB 129, 137
2,4-MCPB 66
2,6-D acid 27
2,6-Dichlorobenzamide 33
2,6-Diisopropylphenylacetic acid 36
2,6-D methyl ester 27
2-Amino-4,6-dichloro-1,3,5-triazine 4
2-Anilino-4,6-dimethylpyrimidine 89
2-Bromobiphenyl 134
2-Chloro-2,6'-diethylacetanilide 19
2-Chloro-4-ethylamino-6-methylethylamino-s-triazine 19, 111, 113
2-Chloro-4-ethylamino-6-propylamino-s-triazine 19, 111, 113
2-Chloro-4-methylamino-6-diethylamino-s-triazine 19, 111, 113
2-Chloro-4-methylamino-6-sec-butylamino-s-triazine 19, 111, 113
2-Chloroethanol 19
2-Ethylthiomethyl phenol 45
2-Hydroxyatrazine 58, 111, 113
2-Imidazolone 60, 112
2-Isopropyl-4-methyl-6-pyrimidinol 62
2-Isopropyl-6-methyl-4-pyrimidinol 62
2-Isopropylamino-4,6-dichloro-s-triazine 63, 111, 113
2-Methyl-4,6-dinitroanisole 71
2-Monuron 74, 111, 113
2-Oximidazolone 60
2-Phenylphenol 81
- A
- Abamectin 1
Abate 1
a-BHC 9
Acarol 13
Accent 75
Acenaphthene-d10 123
Acephate 1
Acequinocyl 1
Acetamidiprid 1, 112
Acetochlor 1
Acetochlor ESA sodium salt 1
Acetochlor OA sodium salt 1
a-Chlordane 17
Acibenzolar-S-methyl 1
Acifluorfen 2
Acifluorfen methyl ester 2
Aclonifen 2
Acrinathrin 2
a-Cypermethrin 26
Admiral 90
Affirm 1
Agritox 103
a-HCH 9
Aim 18
Alachlor 2
Alachlor ESA sodium salt 2
Alachlor OA sodium salt 2
Alanap 2
Alar (SADH) 2
Albendazole 2
Aldicarb 3
Aldicarb sulfone 3
Aldicarb sulfoxide 3
Aldoxycarb 3
Aldrin 3, 114
Allethrin 3
Allidochlor 3
Alloxydim-sodium 3
alpha-Endosulfan 41
Alphamethrin 26
alpha-Thiodan 41
Altacor 16
Amber 102
Amdro 58
Ametoctradin 3
Ametryn 3, 111, 113, 127
Amiben 16
Amicarbazone 4
Amidosulfuron 4
- Aminocarb 4, 128
Aminomethyl phosphonic acid 4
Aminomethyl phosphonic acid (AMPA) 123
Aminopyralid 4
Amisulbrom 4
Amitraz 4
Amitrol 4
Amitrole (ATA) 4
Ammeline 113
Ammonium sulfamate 4
AMS 4
Ancymidol 5
Anilazine 5, 113
Anilofos 5
Apache 14
APP-9-014-D-10X 138
Aramite 5, 138
Asana 43
Aspon 5
Asulam 5
Asulox 5
ATCP 82
Atraton 55, 127
Atrazine 5, 111, 113, 127
Atrazine desethyl 5, 113
Atrazine-desethyl-2-hydroxy 5, 113
Atrazine-desethyl-desisopropyl 6, 113
Atrazine-desisopropyl 6, 111, 113
Atrazine-desisopropyl-2-hydroxy 6, 111, 113
Atrazine-methoxy 55
Avid 1
Axial 82
Azaconazole 6
Azad 6
Azadirachtin 6, 111
Azamethiphos 6
Azimsulfuron 6
Azinphos-ethyl 6, 136
Azinphos-methyl 6
Azinphos-methyl oxon 7
Azocyclotin 7
Azodrin 73
Azophos 71
Azoxybenzene 6
Azoxystrobin 7
- B
- Balan 8
BAM 33
Bancol 9
Banvel-D 32
Barbamate 7
Barban 7, 128
Barnon 7
BAS 490 F 64
Basagran 9
Basic cupric chloride 22
Basitac 67
Basudin 31
Batasan 48
Baycarb 7
Baycor 11
Baygon 7
Bayleton 102
Baytex 48
Baythroid I 25
b-BHC 10
Beacon 84
Beam 104
Beflubutamid 7
Belmark 49
Benalaxyl 7
Benazolin 8
Bendiocarb 8, 128
Benefin 8
Benfluralin 8
Benfuracarb 8
Benfuresate 8
Benodanil 8
Benomyl 8
Benoxacor 8
Bensecal 8
Bensulfuron-methyl 8
Bensulide 9, 128
Bensultap 9
Bentazon 9, 128
Bentazon methyl 9
Benthiavalicarb-isopropyl 9
Benthiocarb 100
Benzobicyclon 9
Benzoximate 9
Benzoylprop-ethyl 9
Benzyladenine 9
beta-Endosulfan 41



Pesticide Name Index

b-HCH 10
BHC Tech 10
Bidrin 34
Bifenazate 10
Bifenox 10
Bifenthrin 10
Binapacryl 10
Bioallethrin d-trans-allethrin 10
Bioresmethrin 11
bis(2,3,3,3-Tetrachloropropyl) ether 91
bis(2-Ethylhexyl)adipate 45
bis(Tributyltin)oxide 103
Bitertanol 11
Bitrex 11
Bixafen 11
Bladex 23
Bloc 11
Bolstar 11
Boltage 87
Bomyl 11
Bonzi 11
Boscalid 11
Botran 12
BPMC 7
Brodan 41
Brodifacoum 12
Bromacil 12
Bromadiolone 12
Bromfenacoum 12
Brominal 12
Bromobutide 12
Bromofenoxim 12
Bromoforn 127
Bromofos-ethyl 12
Bromophos 12
Bromophos-ethyl 12
Bromophos-methyl 12
Bromopropylate 13
Bromoxynil 12
Bromoxynil-heptanoate 13
Bromoxynil methyl ether 13
Bromoxynil octanoate 13
Bromuconazol 13
Bueno 13
Bupirimate 13
Buprofezin 13
Busan 13
Busan 40 83
Busan 85 83
Butachlor 13
Butachlor ESA sodium salt 14
Butafenacil 14
Butam 96
Butocarboxim 14
Butocarboxim sulfone 14
Butocarboxim sulfoxide 14
Butoflin 30
Butopyronoxyl 60
Butoxy-carboxim 14
Butralin 14
Butroxydim 14
Buturon 14
Butylate 14

C

Cacodylic acid 37
Cadusafos 14
Cafenstrole 14
Calcium arsenate 15
Calirus 8
Calypso 99
Camphechlor 102
Captafol 15
Captan 15
Capture 10
Carbaryl 15, 128
Carbathiin 16
Carbazole 128
Carbendazim 15, 128
Carbetamide 15
Carbofuran 15, 128
Carbofuran 3-hydroxy 58
Carbofuran-3-keto 64
Carbofuran phenol 36
Carbofuran phenol-3-ketone 15
Carbophenothion 15, 136
Carbophenothion methyl 71
Carbophenothion methyl-o-analog 16
Carbosulfan 16
Carboxin 16
Carfentrazone-ethyl 16
Carpropamid 16
Cartap 16
Cartap hydrochloride 16

CGA 219417 26
Chinomethionate 16
Chloramben 16
Chloramben methyl ester 16
Chloramizol 58
Chlorantraniliprole 16
Chlorbenside 17
Chlorbromuron 17
Chlorbufam 17
Chlordane 114, 127, 133
Chlordane (tech) 17, 110
Chlordecone 64
Chlordime 17
Chlordimeform 17
Chlorethoxyfos 17
Chlorfenac 46
Chlorfenapyr 18
Chlorfenson 77
Chlorfenvinphos 18, 136
Chlorfluazuron 18
Chlorflurecol-methyl ester 18
Chlorflurenol-methyl 18
Chloridazon 88
Chlorimuron-ethyl 18
Chlormephos 18
Chlormequat chloride 18
Chlormesulon 94
Chlornitrofen 18
Chlorobenzilate 18
Chlorobenzuron 18
Chlorocholine chloride 18
Chloroneb 19
Chlorophacinone 19
Chlorophos 103
Chloropicrin 20
Chloropropylate 20
Chlorothalonil 20
Chloroxuron 20
Chlorpropham 20, 128
Chlorpyrifos 41
Chlorpyrifos-0-analog 20
Chlorpyrifos-methyl 20
Chlorpyrifos-oxon 20
Chlorsulfuron 20
Chlorthal acid 28
Chlorthiamid 21
Chlorthion 21
Chlorthiophos 21
Chlortoluron 21
Chlozolinat 21
Ciafos 24
Cinmethylin 21
Cinosulfuron 21
cis-1,2,3,6-Tetrahydrophthalimide 98
cis-Chlordane 17
cis-Cypermethrin 26
cis-Heptachlor epoxide 57
cis-Nonachlor 76
Clarity 21
Classic 18
Clipper 11
Clodinafop 21
Clodinafop-propargyl 22
Clofentezine 22
Clomazon 22
Clomeprop 22
Clopyralid C, 65
Clopyralid methyl ester 22
Cloquintocet-mexyl 22
Cloransulam methyl 22
Clothianidin 22, 112
Clutch 22
Command 22
Copper (II) carbonate 22
Copper oxychloride 22
Co-Ral 23
Cotoran 52
Cottonex 52
Coumachlor 23
Counmaphos 23
Coumatetralyl 23
Counter 97
Crag Herbicide 39
Crimidin 23
Crimidine 23
Croneton 43
Croneton sulfone 43
Crotoxyphos 23
Crufomate 23
Cryolite 23
Cumyluron 23
Cyanazine 23, 111, 113, 128
Cyanazine acid 24
Cyanazine amide 24
Cyanofenphos 24

Cyanophos 24
Cyanox 24
Cyazofamid 24
Cybutryne 61
Cyclanilide 24
Cyclaniliprole 24
Cycloate 24
Cycloheximide 24
Cycloprate 24
Cycloprothrin 25
Cyclosulfamuron 25
Cycloxydim 25
Cycloxydime 25
Cycluron 25
Cyflufenamide 25
Cyfluthrin 25
Cyfoxyate 25
Cygon 37
Cyhalofop-butyl 25
Cyhalothrin 25
Cyhexatin 26
Cymetrix 93
Cymoxanil 26
Cypermethrin 26
Cyphenothrin 26
Cypazine 26, 113
Cyprex 40
Cyproconazole 26
Cyproconazole, unstated stereochemistry 26
Cyprodinil 26
Cyprofuram 26, 27
Cyromazine 27, 113

D

Daconil 20
Dacthal 27
Dacthal diacid 28
Dacthal monoacid 73
Daimuron 28
Dalapon 28, 126, 137
Dalapon acid 28
Dalapon methyl ester 28
Dalapon-sodium 41
Daminozide 2
Danitol 28
Dasanit 28
Dazomet 28, 132
DBCP 55
d-BHC 10
DCAA 33
DCAA methyl ester 71
DCMU 64
DCPA 27
DCPA diacid 28
DCPA monoacid 73
Decachlorobiphenyl 117
Decafluorobiphenyl 124
Dechlorane 73
Deethylcyanazine acid 30
Deet (Off) 30
DEF 6 30, 117
Delnav 39
delta-Ketoendrin 42
Deltamethrin 30
Demeton I (thiono isomer) 30
Demeton (mixed isomers) 30
Demeton-S 30
Demeton-S-methyl 30
Demeton-S-methylsulfone 30
Demosan 19
Denatonium benzoate 11
Desethyl atrazine 5
Desethyl simazine 6
Desethylterbutylazine 97
Desisopropylatrazine 6
Desisopropyl desethyl atrazine 6
Desmedipham 31
Desmethyl isoproturon 63
Desmetryn 31, 113
Desulfenyl fipronil 49
Devrinol 75
Dexon 46
DFTPPO 139
DFTPPO (Decafluorotriphenylphosphine oxide) 124
Diafenthiuron 31
Dialifor 31
Dialifos 31
Diallate 31
Diazide® 31
Diazinon 31
Diazinon-O analog 31
Diazoxon 31
Dibam 31
Dibrom 74



- Dibutylchloredate 32, 116, 130, 131
 Dicamba 32, 126, 137
 Dicamba, diglycoamine salt, tech 21
 Dicamba methyl ester 32
 Dicaptan 32
 Dicapthon 32
 Dichlobenil 32
 Dichlofenthion 32
 Dichlofluanid 32
 Dichlone 32
 Dichloran 12
 Dichlormid 32
 Dichlorodiphenyltrichloroethane 29
 Dichlorophen 33
 Dichlorprop 33, 126, 137
 Dichlorprop, 2-ethylhexyl ester 41
 Dichlorprop methyl ester 34
 Dichlorvos 34
 Diclobutrazol 34
 Diclufop 34
 Diclufop methyl 34
 Dicosulam 34
 Dicolof 64
 Dicrotophos 34
 Dieldrin 34, 114
 Diethyl ethyl 35
 Diethion 44
 Diethofencarb 35
 Diethquinalphione 90
 Diethylphosphate 35
 Diethyl phosphate (mono- & di-) 35
 Diethyltoluamide 30
 Difenacoum 35
 Difenoxuron 35
 Difenzoquat methyl sulfate 35
 Diflubenzuron 35
 Diflufenican 35
 Diflufenicanil 35
 Diflufenzopyr 35
 Dimefox 36
 Dimefuron 36
 Dimepax 36, 113
 Dimepiperate 36
 Dimethachlor 36
 Dimethachlor ESA sodium salt 36
 Dimethametryn 36
 Dimethenamid 36
 Dimethenamid-P 37
 Dimethenamid ESA sodium salt 36
 Dimethenamid OA sodium salt 36
 Dimethipin 37
 Dimethoate 37, 136
 Dimethomorph 37
 Dimethomorph mixture of E + Z isomers 27
 Dimethoxon 77
 Dimethylarsinic acid 37
 Dimethyl phosphate 37
 Dimethylvinphos (Z type) 37
 Dimetilan 37
 Dimoxystrobin 37
 Dinex 38
 Diniconazol 38
 Dinitramine 38
 Dinocap 38
 Dinoseb 38, 126, 137
 Dinoseb acetate 38
 Dinoseb methacrylate 10
 Dinoseb methyl ester 38
 Dinoseb methyl ether 38
 Dinotefuran 38, 112
 Dinoterb 39
 Dioctyl adipate 45
 Dioxacarb 39
 Dioxathion 39, 136
 Dioxymeton-S-methyl 30
 Diphacinone 39
 Diphenadione 39
 Diphenamid 39
 Dipropetryn 39, 113
 Dipropyl isocinchomeronate 73
 Diquat dibromide monohydrate 39
 Disulfoton 39
 Disulfoton sulfon 39
 Disulfoton sulfoxide 40
 Disul, sodium salt 39
 Disyston 39
 Ditalimfos 40
 Dithianon 40
 Dithiopyr 40
 Diuron 64, 128
 DMDT 70
 DMST 40
 DMTP Oxon 40
 DNBP 38
 DNOC 38
 DNTBP 39
 Dodemorph acetate 40
 Dodine 40
 Doramectin 40
 DPA Sodium 41
 d-Phenothrin 95
 DSMA 41
 d-trans-Allethrin 10
 d-trans-Cyphenothrin 26
 Dursban 41
 Dybar 49
 Dyfonate 41
 Dymid 39
 Dymron 28
 Dynam 78
 Dyrene 5
 E
 Ebufos 14
 Edifenphos 41
 Ekatin 100
 Emamectin-benzoate 41
 Embassador™ 38
 Empenthrin 41
 Endosulfan I 41, 123
 Endosulfan II 41
 Endosulfan, mixed isomers 42
 Endosulfan sulfate 42
 Endothall 42, 123
 Endothall dimethyl ester 42, 123
 Endothall pentafluorophenyl hydrazine derivative 123
 Endrin 42, 114, 117
 Endrin aldehyde 42
 Endrin ketone 42
 Enide 39
 Enilconazole 58
 ENISO10695-PEST 142
 ENT 8184 73
 Entex 48
 EPN 42, 136
 EPN Oxon 42
 Epoxiconazole 43
 Eprinomectin 43
 EPTC 43
 Eradex 41
 Esbiol 10
 Esbiothrin 3
 Esprocarb 43
 Ethametsulfuron-methyl 43
 Ethanediol dioxime 43
 Ethephon 43
 Ethidimuron 43
 Ethiofencarb 43
 Ethiofencarb sulfone 43
 Ethiofencarb sulfoxide 44
 Ethiolat 44
 Ethion 44, 136
 Ethiozin 44
 Ethiprole 44
 Ethirimol 44
 Ethofumesate 44
 Ethophenprox 45
 Ethoprop 44
 Ethoxyquin 44
 Ethoxysulfuron 44
 Ethyl 2,4-Dichlorophenoxyacetate 27
 Ethylan 80
 Ethyl azinphos 6
 Ethyl carbamate 45
 Ethylene thiourea 45
 Ethyl hexanediol (mixed isomers) 45
 Ethyl parathion 79, 136
 Etobenzanid 45
 Etoc 83
 Etofenprox 45
 Etozazole 45
 Etridiazole 98
 Etrimfos 45
 ETU 45
 Euparen 32
 F
 Facet 90
 Famophos 46
 Famoxadon 46
 Famphur 46, 136
 Faneon 12
 Far-Go 102
 Fenac 46
 Fenamidone 46
 Fenaminosulf 46
 Fenamiphos 46
 Fenamiphos sulfone 46
 Fenamiphos sulfoxide 46
 Fenarimol 11
 Fenatrol 46
 Fenazaquin 46
 Fenbuconazole 46
 Fenbutatin oxide 47
 Fenchlorphos 91
 Fenclorim 47
 Fenfuram 47
 Fenhexamid 47
 Fenitrothion 47
 Fenitrothion-oxon 67
 Fenobucarb 7
 Fenoprop 92
 Fenoprop 2-ethylhexyl ester 92
 Fenoprop methyl ester 93
 Fenothiocarb 47
 Fenoxanil 47
 Fenoxaprop 47
 Fenoxaprop-ethyl 47
 Fenoxaprop-p-ethyl 47
 Fenoxycarb 48
 Fenpropathrin 28
 Fenpropidin 48
 Fenpropimorph 48
 Fenpyroximate 48
 Fenson 48
 Fensulfothion 28
 Fenthion 48
 Fenthion sulfone 48
 Fenthion sulfoxide 48
 Fentin acetate 48
 Fentin chloride 106
 Fentin hydroxide 49
 Fenuron 49, 128
 Fenuron TCA 49, 128
 Fenuron trichloroacetate 49
 Fenvalerate 49
 Ferbam 49
 Ficam 8
 Fintryne 61
 Fipronil 49, 112
 Fipronil desulfanyl 49, 112
 Fipronil sulfide 49, 112
 Fipronil sulfone 49, 112
 Flamprop-isopropyl 7
 Flamprop-methyl 50
 Flonicamid 50
 Florasulam 50
 Fluacrypyrim 50
 Fluazifop-butyl 50
 Fluazifop-p-butyl 50
 Fluazinam 50
 Flubendiamide 50
 Flubendimide 50
 Flucarbazono-sodium 50
 Flucetosulfuron 51
 Fluchloralil 51
 Flucythrinate 51
 Fludioxonil 51
 Flufenacet 51
 Flufenacet ESA sodium salt 51
 Flufenacet OA sodium salt 51
 Flufenoxuron 51
 Flufenpyr-ethyl 51
 Flumetralin 51
 Flumetsulam 52
 Flumiclorac-pentyl 52
 Flumioxazin 52
 Flumyazin 52
 Fluometuron 52, 128
 Fluopicolide 52
 Fluopyram 52
 Fluorochloridone 53
 Fluorodifen 53
 Fluoxastrobin 52
 Fluquinconazole 52
 Flurenol methyl ester 52
 Fluridone 53
 Fluorochloridon 53
 Flurodifen 53
 Fluroxypyr 53
 Fluroxypyr-1-methylheptyl ester 53
 Fluroxypyr-meptyl 53
 Flurprimidol 53
 Flusulfamide 53
 Fluthiacet-methyl 53
 Flutolanil 54
 Flutrialof 54
 Fluxaproxad 54
 Focus 25
 Folbex 18
 Folex 68
 Folicur 96
 Folosan 79



Pesticide Name Index

- Folpet 54
Fomesafen 54
Fonofos 41
Foramsulfuron 54
Forchlorfenuron 54
Formetanate HCl 54
Formothion 54
Fosetyl aluminum 55
Fosthiazate 55
Fthalide 55
Fumazone 55
Fundazol 8
Furadan 15
Furalaxyl 55
Furathiocarb 55, 112
Furilazole 55
Furmecyclox 55
Fusilade 50
- G
- Gardoprim 97
Garlon 104
Garrathion 15
g-BHC 65
g-Chlordane 17
Gesatamine 55, 111, 113
Gesatop 93
g-HCH 65
Glufosinate, ammonium salt 56
Glycophene 61
Glyodin 56
Glyphosate 56, 123
Gokilaht 26
Gratil 4
GTA 56
Guazatine acetate 56
Guthion 6
- H
- Halfenprox 56
Halofenozide 56
Halosulfuron methyl 56
Haloxypop 56
Haloxypop-methyl 56
Harmony 99
Harvade 37
HCH, tech 10
Heptachlor 57, 114
Heptachlor endo-epoxide 57
Heptachlor epoxide (Isomer A) 57
Heptachlor epoxide (Isomer B) 57
Heptachlor exo-epoxide 57
Heptenophos 57
Hexabutylstannoxane 103
Hexaconazole 57
Hexadrin 42
Hexaflumuron 57
Hexamethosphoramidate 17
Hexazinone 57
Hexythiazox 57
Hinochloa 67
HMPA 57
Hoe-grass 34
Hostaquick 57
Hydramethylnon 58
Hydroxyatrazine 58
Hymexazol 58
- I
- IBP 61
Icon 25
Igran 83
Imazail 58
Imazamethabenz methyl 58
Imazamox 58
Imazapic 58
Imazapyr 59
Imazaquin 59
Imzasulfuron 59
Imazethapyr 59, 111, 113
Imazosulfuron 59
Imibenconazole 59
Imicyafos 59
Imidacloprid 59
Imidacloprid-olefin 59
Imidacloprid urea 59
Imidacloprid 112
Imidan 59
Imiprothrin 60
Inabenfide 60
Indalone 60
Indanofan 60
- Indar 46
Indaziflam 60, 113
Indoxacarb 60
Iodofenphos 60
Iodosulfuron methyl ester sodium salt 61
Iodosulfuron-methyl-sodium 61
Ioxylin 61
Ioxylin octanoate 61
IPC 86
Ipcnazole 61
Iprobenfos 61
Iprodione 61
Iprovalicarb 61
Irgarol 61, 113
Isazofos 61
Isazophos 61
Isobenzan 62
Isobenzofuranone 62
Isocarbamid 62
Isocarbofos 62
Isocarbofos 62
Isodrin 62
Isufenphos 62
Isufenphos-methyl 62
Isoprocab 62
Isopropalin 62
Isopropyl 3-chlorocarbanilate 20
Isoprothiolane 63
Isoproturon 63
Isopyrazam 63
Isoxalutole 63
Isoxathion 63
Ivermectin 63
- J
- Jodfenphos 60
- K
- Kadethrine 63
Karate 25
Karbutilate 64
Karmex 64
Kelthane 64
Kepone 64
Kerb 85
Kilval 107
Kitazin 61
Kresoxim-methyl 64
- L
- Lactofen 64
Lannate 70
Lanray 77
Lasso 2
L-Cyhalothrin 25
Lenacil 64
Lentagran 89
Leptophos 64, 136
Lesan 46
Lethane 65
Lethane 384 65
Liberty 56
Lindane 65, 114
Linuron 65, 128
Lirinox 27
Lonacol 107
Londax 8
Lontrel C, 65
Lufenuron 65
Machette 13
Malaaxon 65
Malathion 65, 136
Malathion-O-analog 65
Maleic hydrazide 65
Maloran 17
Mancozeb 65
Mandipropamid 66
Maneb 66
Manganese (dithiocarbamate) 66
Manzeb 65
Marathon 59
Mataven 50
Mavrik 54
MBC 15
MCPA 126, 137
MCPA 2-ethylhexyl ester 66
MCPA acid 66
MCPA methyl ester 66
MCPB acid 66
MCPB ester 66
MCPB methyl ester 66
MCPP 126, 137
- MCPP acid 66
MCPP methyl ester 66
MEB 66
Mecarbam 66
Mechlorprop 66
Mecoprop-1-octyl ester 67
Mecoprop-2-ethylhexyl ester 67
Mecoprop-2-octyl ester 67
Mecoprop acid 66
Mecoprop methyl ester 66
Mecoprop-P 67
Mefenoxam 68
Mefenpyr-diethyl 67
Meltatox 40
Meothrin 28
MEP 47
Mepaniprim 67
Mephosolan 67
Mepiquat chloride 67
MEP Oxon 67
Mepronil 67
Meptyldinocap 68
Mercaptobenzothiazole 128
Mercaptodimethur 70
Mercaptophos 48
Merit 59
Merphos 68
Mesosulfuron-methyl 68
Mesotrione 68
Metacil 4
Metaflumizone 68
Metalaxyl 68
Metalaxyl-M 68
Metaldehyde 68
Metaldehyde homopolymer 68
Metamifop 68
Metamiron 69
Metam-sodium dihydrate 69
Metasystox I 30
MetaSystox-R 78
Metazachlor 69
Metazosulfuron 69
Metconazole 69
Methabenthiazuron 69
Methacrifos 69
Methamidophos 73
Methfuroxam 69
Methidathion 69
Methidathion Oxon 40
Methiocarb 70, 128
Methiocarb sulfone 70
Methiocarb sulfoxide 70
Methomyl 70, 128
Methoprene 70
Methoprotryne 70, 113
Methoxone 66
Methoxychlor 70, 114
Methoxyfenozide 70
Methyl (2,4,5-trichlorophenoxy)acetate 95
Methyl 2,4-Dichlorophenoxyacetate 27
Methyl 2,4-dichlorophenylacetate 119, 137
Methyl-2,4-dichlorophenylacetate 71, 138
Methyl 2,6-dichlorophenoxyacetate 27
Methyl 3,4,6-Trichloro-2-pyridyloxyacetate 104
Methyl-3,5-dichlorobenzoate 71
Methylamine hydrochloride 71
Methyl isothiocyanate (MITC) 132
Methyl nonyl ketone 71
Methyl paraoxon 71
Methyl parathion 71, 72
Methylpentachlorophenyl sulfide 71
Methyl trithion 71
Methyl viologen dichloride hydrate 79
Metiram 71
Metizolin 8
Metobromuron 72
Metolachlor 72
Metolachlor ESA sodium sa 72
Metolachlor OA sodi 72
Metolcarb 72
Metosulam 72
Metoxuron 72
Metrafenone 72
Metribuzin 72
Metsulfuron-methyl 72
Mevinphos 73
Mexacarbate 73, 128
MGK-264 73
MGK-326 73
M-HERB-1 114
M-HERB-2 114
MIPC 62
Mirex 73
Mitotane 29
Mocap 44

Pesticide Name Index



- Molinat 73
Molinate 73
Monalide 73
Moncut™ 54
Monitor 73
Monocron 73
Monocrotophos 73, 136
Monolinuron 73
Monomethyltetrachloroterephthalate 23
Monuron 74, 128
Monuron TCA 74, 128
Monuron trichloroacetate 74
Morestan 16
Morfamquat dichloride 74
Moxidectin 74
MPCPS 71
MTMC 72
Myclobutanil 74
- N
- N-(2,4-Dimethylphenyl)formamide 37
Nabam 74
Naled 74
Namab 74
Naproanilide 75
Napropamide 75, 128
Naptalam 2
Navadel 39
N-Deethylcyanazine 30
N-Deethylcyanazine amide 30
N-Desmethylthiamethoxam 31, 112
Neburon 75, 128
Nicosamide 75
Nicobifen 11
Nicosulfuron 75
Nissorun 57
Nitenpyram 75, 112
Nitralin 75
Nitrpyrin 75
Nitrochloroform 20
Nitrofen 75
Nitrothal-isopropyl 76
N,N-Dimethyl-N'-(4-(1-methylethyl)phenyl)urea 63
Norflurazon 76
Norflurazon-desmethyl 76
Novaluron 76
Noviflumuron 76
N-Serve 75
Nuairimol 106
Nunacton 73
- O
- Octachlor 17
Octalene 3
Ochthilone 76
O-Demeton 30
Off 30
Ofunack 89
Ofurace 76
Omethoate 77
Omite 86
OMPA 92
O,O,O-Triethylphosphorothioate 104
o,p'-DDD 29
o,p'-DDE 29
o,p'-DDT 29
o,p'-Dicofol 34
o-Phenylphenol 81
o,p'-Methoxychlor 70
Orbencarb 77
Orthene 1
Orthosulfamuron 77
Oryzalin 77, 128
Ovex 77
Oxabetrinil 77
Oxadialargyl 77
Oxadiazon 77
Oxadixyl 77
Oxamyl 77, 128
Oxamyl oxime 77
Oxasulfuron 78
Oxathiapiprolin 78
Oxaziclonofone 78
Oxazolidine 55
Oxolinic acid 78
Oxycarboxin 78
Oxychlorane 78
Oxychlorane Isomer 78
Oxydemeton-methyl 78
Oxydisulfoton 40
Oxyfluorfen 78
Oxythioquinox 16
Paclobutrazol 11
- Pano-ram 47
Paraoxon 78
Paraoxon-ethyl 78
Paraoxon-methyl 71
Paraquat dichloride tetrahydrate 79
Parathion 79
Parathion oxon 78
p-Bromofluorobenzene 124
PCA 88
Pebulate 101
Penconazole 79
Pencycuron 79
Pendimethalin 79
Penoxalin 79
Penoxsulam 79
Pentachloroaniline 79
Pentachloroanisole 79
Pentachloronitrobenzene 79, 117, 118, 133, 134
Pentanochlor 80
Pentanoic acid, phenyl ester 80
Penthiopyrad 80
Pentoxazone 80
Percolate 59
Permethrin 80
Perthane 80
Pethoxamid 80
Phenamiphos 46
Phencaptan 15
Phenmedipham 80
Phenothiazine 80
Phenthoate 80
Phenyl mercury acetate 80
Phenyl pentanoate 80
Phenyl valerate 80
Phorate 81
Phorate-oxon 81
Phorate-oxon sulfone 81
Phorate sulfone 81
Phorate sulfoxide 81
Phosalone 81
Phosdrin 73
Phosfolan 81
Phosmet 59, 136
Phosphamidon 81, 136
Phosphothion 65
Phosvel 64
Phoxim 81
Phthalide 62
Picloram 82, 128
Picloram methyl ester 82
Picolinafen 82
Picoxystrobin 82
Pimeton 93
Pindone 82
Pinoxaden 82
Piperalin 82
Piperonyl butoxide 82
Piperophos 82
Pipron 82
Pirate 18
Pirimicarb 83
Pirimicarb-desmethyl 83
Pirimiphos-ethyl 83
Pirimiphos-methyl 83
Pirimiphos-methyl-N-desethyl 83
Pirimor 83
Pival 82
Pledge 52
p-Methoxynitrobenzene 75
PMP 80
Polytrin 26
Potassium dimethyl dithiocarbamate 83
Potassium n-hydroxymethyl-n-methyl dithiocarbamate 83
p,p'-DDA 29
p,p'-DDD 29
p,p'-DDE 29, 114
p,p'-DDMU 29
p,p'-DDT 29, 114
p,p'-Dichlorodiphenylacetic acid 29
p,p'-Dicofol 64
p,p'-Methoxychlor 70
p,p'-Methoxychlor-olefin 70
Prallethrin 83
Pramitol 85
Prebane 83
Pretilachlor 83
Primisulfuron-methyl 84
Probenazole 84
Prochloraz 84
Proconazole 101
Procymidone 84
Prodiamine 84
Profenofos 84
Profluralin 84
- Prohexadione-calcium 84
Promecarb 85
Promet 55
Prometon 85, 111, 113, 127
Prometrin 85
Prometryne 85, 111, 113, 127
Pronamide 85
Propachlor 85
Propachlor ESA sodium salt 85
Propachlor OA sodium salt 85
Propamocarb 85
Propamocarb hydrochloride 85
Propanil 85, 128
Propaquizafop 85
Propargite 86
Propazine 86, 111, 113, 127
Propetamphos 86
Propham 86, 128
Propfos 44
Propiconazole 101
Propineb 86
Propisochlor 86
Propoxur 7, 128
Propoxycarbazono-sodium salt 86
Propylene thiourea 86
Propylenethiourea (PTU) 86
Propyrisulfuron 86
Propyzamide 85
Proquinazid 87
Prosulfocarb 87
Prosulfuron 87
Prothioconazole 87
Prothiofos 101
Prothoate 87
Prowl 79
Proximpham 87
Prozinex 86
Pydrin 49
Pymetrozin 87
Pymetrozine 87
Pyracarbolid 87
Pyraclofos 87
Pyracilonil 87
Pyraclostrobin 87
Pyralfufen-ethyl 88
Pyramite 89
Pyranica 96
Pyrasulfotole 88
Pyrazolate 88
Pyrazon 88
Pyrazophos 88
Pyrazosulfuron-ethyl 88
Pyrazoxyfen 88
Pyrethrin 88
Pyribenzoxim 88
Pyributicarb 89
Pyridaben 89
Pyridalyl 89
Pyridaphenthion 89
Pyridate 89
Pyrifenoxy 90
Pyrifluquinazon 89
Pyritalid 89
Pyrimethanil 89
Pyrimidifen 89
Pyriminobac-methyl(E) 90
Pyrimisulfan 90
Pyrinuron 106
Pyriproxifen 90
Pyroquilon 90
Pyroxulam 90
Pyroxystrobin 7
Pyrradiazole 103
- Q
- Quinalphos 90
Quinlorac 90
Quinmerac 91
Quinoclamine 91
Quinoxifen 91
Quintozene 79
Quizalofop ethyl 91
- R
- Racumin 23
Ramrod 85
Randex 3
Raptor 58
Reldan 20
Resmethrin 91
Rilof 82
Rimon 76
Rimsulfuron 91



Pesticide Name Index

Rogor 37
Ronnel 91
Rotenone 91, 128
Roundup 56
Rozol 19
RU 15525 63

S

S421 91
SADH 2
Saflufenacil 91
Safrotin 86
Sancap 39
S-Bioallethrin 10
Schradan 92
Sebuthylazin 92, 111, 113
Secbumeton 92, 113, 127
Sedaxane 92
Semeron 31
Sencor 72
Sesone 39
Sethoxydim 92
Sevin 15
Sibutol 11
Siduron 92, 128
Silaflofen 92
Silaneophan 92
Silvex 92
Silvex 2-ethylhexyl ester 92
Silvex methyl ester 93, 114
Simazine 93, 111, 113, 127
Simazine-2-hydroxy 93, 113
Simeton 93, 114
Simetryn 93, 114, 127
S-Indoxacarb 60
Siperin 26
SMDC 69
S-Metolachlor 72
Sodium diethyldithiocarbamate trihydrate 93
Sodium fluoroacetate 93
Sonar 53
Spectracide® 31
Spinetoram 93
Spinosad 93
Spinosad technical 93
Spirodiclofen 93
Spiromesifen 94
Spirotramat 94
Spiroxamine 94
Spotless™ 38
Starlex 87
Stiropfos 98
Strobane 94
Suffix 9
Sulcotrione 94
Sulfallate 94
Sulfaquinoxaline 94
Sulfentrazone 94
Sulfometuron methyl 94
Sulfometuron methyl ester 94
Sulfoquinoxaline 94
Sulfosulfuron 94
Sulfotep 95, 136
Sulfoxaflor 95, 112
Sulfoxide 95
Sulprofos 11
Sumithrin 95
Supona 18
Suprathion 69
Surflan 77
Sutan 14
Swat 11
Swep 95, 128
Systhane 74
Systox 30

T

Talstar 10
Tameron 73
tau-Fluvalinate 54
TBZ 99
TCA 103
TCLP-HERB 129
TCLP-HERB-ME 129
TCLP-HERB-ME-PAK 129
TCLP-HERB-ME-QC 129
TCLP-HERB-ME-QC-PAK 129
TCLP-HERB-PAK 129
TCLP-HERB-PFB 129
TCLP-PES 129
TCLP-PES-1 129
TCLP-PES-1/2-QC-SET 129

TCLP-PES-1/2-SET 129
TCLP-PES-1-PAK 129
TCLP-PES-1-QC 129
TCLP-PES-1-QC-PAK 129
TCLP-PES-2 129
TCLP-PES-2-PAK 129
TCLP-PES-2-QC 129
TCLP-PES-2-QC-PAK 129
TCLP-PES-PAK 129
TCMTB 13
TCNB 98
TDE 29
Tebuconazol 96
Tebufenocide 96
Tebufenozide 96
Tebufenpyrad 96
Tebupirimfos 96
Tebutam 96
Tecnazene 98
Tedion V-18 98
TEDP 95
Teflubenzuron 96
Tefluthrin 96
Telodrin 62
Tembotrione 96
Temephos 1
Temik 3
TEPP 97, 136
Tepaloxymid 97
Terbacil 97
Terbucarb 97
Terbufos 97, 136
Terbufos sulfone 97
Terbufos-sulfoxide 97
Terbumeton 97, 114
Terbuthylazine 97, 112, 114, 127
Terbuthylazine desethyl 97, 114
Terbutol 97
Terbutryn 127
Terbutryne 83
Terraneb 19
Terrazole 98
Tetrachlorvinphos 98, 140
Tetraconazole 98
Tetradifon 98
Tetramethrin 99
Tetramethylphosphorodiamidic fluoride (I) 36
Tetramethylthiuram disulfide 101
Tetrasul 99
Tetron 97
Thenylchlor 99
Thiabendazole 99, 128
Thiacloprid 99, 112
Thiacloprid-amide 99, 112
Thiamethoxam 99, 112
Thiazophyr 99
Thiazopyr 99
Thiazuron 99
Thifensulfuron methyl 99
Thifluzamide 100
Thimet 81
Thimet sulfone 81
Thiobencarb 100
Thiocyclam hydrogen oxalate 100
Thiodan II 41
Thiodemeton 39
Thiodicarb 100
Thiofanox 100
Thiofanox sulfone 100
Thiofanox sulfoxide 100
Thiometon 100
Thionazin 100
Thiophanate 100
Thiophanate-methyl 101
Thiophos 79
Thiram 101
Tiadinil 101
Tillam 101
Tillox 8
Tilt 101
Tokuthion 101
Tolban 84
Tolclofos-methyl 101
Tolfenpyrad 101
Tolyfluanid 102
Tolyfluanid metabolite 40
Torak 31
Tordon 82
Toxaphene 102, 114, 120, 127, 133
Tralkoxydim 102
Tralomethrin 102
trans-Chlordane 17
Transfluthrin 102
trans-Heptachlor epoxide 57

trans-Nonachlor 76
Treflan 105
Triadimenol 102
Triallate 102
Triazophos 103
Tribenuron-methyl 103
Trichlorfon 103
Trichloroacetic acid 103
Trichloronate 103
Triclopyr 104
Triclopyr-2-butoxy ethyl ester 104
Triclopyr methyl ester 104
Tricresyl phosphate 104
Tricresylphosphate 104
Tricyclazole 104
Tricyclohexylin hydroxide 26
Tridemorph 104
Trietazine 104, 114
Trietazine-desethyl 114
Triethylphosphate 104
Trifenmorph 104
Trifloxystrobin 105
Trifloxysulfuron 101
Triflumizole 105
Triflunuron 105
Trifluralin 105
Triflurosulfuron-methyl 105
Triforine 105
Trimethyl phosphate 106
Trimethylsulfonium iodide 106
Trimidial 106
Trinexapac-ethyl 106
Triphenyl phosphate 117
Triphenylin chloride 106
Trithion 15
Triticonazole 106
Trizilin 75
Tugon 103

U

Uniconazole 106
Uniconazole-P 106
Urethane 45

V

Vacor 106, 128
Vamidithion 107
Vanicide-20S 107
Vegadex 94
Vendex 47
Vernam 107
Vernolate 107
Vinclozolin 107
Voltage 87
Vulcan 52
Vydate 77

W

Warfarin 107

X

XMC 107

Z

Zectran 73
Zinc bis(dimethylthiocarbamate) 107
Zinc propylenebis(dithiocarbamate) 86
Zineb 107
Zinophos 100
Ziram 107
Zolone 81
Zorvec 78
Zoxamide 107
Zymoxanil 26



Catalog Number Index



M-8081A-SC-R	134	M-8150S-A-09	126, 137	P-021S	27	P-054S	57	P-089S	72
M-8081A-SC-R-PAK	134	M-8150S-A-10	126, 137	P-021S-1	114	P-054S-10X	57	P-089S-10X	72
M-8081-DC	134	M-8150-SET	126, 137	P-022N	65	P-055N	59	P-090N	104
M-8081-DS	134	M-8151	138	P-022S	65	P-055S	59	P-090S	104
M-8081-DS-PAK	134	M-8151A	138	P-023N	74	P-056N	91	P-091N	41
M-8081-IS	134	M-8151A-PAK	138	P-023S	74	P-056S	91	P-091S	41
M-8081-IS-DC	134	M-8151-IS	137, 138	P-024N	29	P-057N	64	P-091S-10X	41
M-8081-IS-DC-PAK	134	M-8151-IS-2	138	P-024S	29	P-057S	64	P-092N	41
M-8081-IS-PAK	134	M-8151-IS-2-PAK	138	P-025N	29	P-058N	46	P-092S	41
M-8081-IS-X	134	M-8151-IS-PAK	137, 138	P-025S	29	P-058S	46	P-092S-10X	41
M-8081-IS-X-PAK	134	M-8270-07-SET	138	P-025S-10X	29	P-058S-10X	46	P-093N	102
M-8081-SC	134	M-8270-09-ASL	138	P-026N	29	P-059N	65	P-093S	102
M-8081-SC-PAK	134	M-8270-10-ASL	138	P-026S	29	P-059S	65	P-093S-1	114
M-8081-SS-DC	134	M-8270-14-ASL	138	P-027N	29	P-059S-1	114	P-093S-10X	102
M-8081-SS-DC-PAK	134	M-8270-16	138	P-027S	29	P-059S-2	114	P-093S-40X	102
M-8081-SS-X	134	M-8270-17	138	P-027S-1	114	P-059S-10X	65	P-093S-50X	102
M-8081-SS-X-PAK	134	M-8270-18	138	P-027S-2	114	P-060N	65	P-093S-H-10X	102, 117, 133
M-8081-T	134	M-8270-19	138	P-027S-10X	29	P-060S	65	P-093S-H-10X-PAK	117, 133
M-8081-T-R	134	M-8270-20	138	P-028N	29	P-060S-10X	65	P-094N	41
M-8085-C1	135	M-8270-21	138	P-028S	29	P-060S-H-10X	65	P-094S	41
M-8085-C2	135	M-8318M	139	P-029N	29	P-061N	95	P-094S-10X	41
M-8085-C1C	135	M-8318-SET	139	P-029S	29	P-061S	95	P-095N	15
M-8085-H1-M	135	M-8321-HERB	139	P-029S-1	114	P-062N	4	P-095S	15
M-8085-H2-M	135	M-8321-OP	139	P-029S-2	114	P-062S	4	P-096N	97
M-8085-HERB-SS	135			P-029S-20X	29	P-062S-10X	4	P-096S	97
M-8085-N1	135			P-030N	73	P-063N	92	P-097N	79
M-8085-N2	135			P-030S	73	P-063S	92	P-097S	79
M-8085-N3	135			P-031N	30	P-064N	70	P-097S-10X	79
M-8085-P1	135			P-031S	30	P-064S	70	P-098N	107
M-8085-P2	135			P-031S-H-10X	30	P-064S-1	114	P-099N	84
M-8085-PEST-SS	135			P-032N	70	P-064S-2	114	P-099S	84
M-8085-PEST-SS2	135			P-032S	70	P-064S-10X	70	P-099S-10X	84
M-8140M	136			P-032S-10X	70	P-065N	71	P-100N	62
M-8140M-5X	136			P-033N	31	P-065S	71	P-100S	62
M-8140M-5X-PAK	136			P-033S	31	P-065S-10X	71	P-101N	1
M-8140M-PAK	136			P-033S-10X	31	P-065S-H-10X	71	P-101S	1
M-8140-SET	136			P-033S-H-10X	31	P-066N	73	P-102N	2
M-8141-01	136			P-034N	74	P-066S	73	P-102S	2
M-8141-02	136			P-034S	74	P-066S-10X	73	P-102S-10X	2
M-8141-03	136			P-035N	32	P-067N	95	P-103N	4
M-8141-04	136			P-035S	32	P-067S	95	P-103S	4
M-8141-05	136			P-035S-10X	32	P-068N	99	P-104N	8
M-8141-06	136			P-036N	34	P-068S	99	P-104S-CN	8
M-8141-07	136			P-036S	34	P-069N	102	P-105N	101
M-8141A-1M	136			P-036S-H-10X	34	P-069S	102	P-105S	101
M-8141A-1-SET	136			P-037N	34	P-070N	79	P-105S-10X	101
M-8141A-2M	136			P-037S	34	P-070S	79	P-106N	15
M-8141A-2-SET	136			P-037S-1	114	P-070S-10X	79	P-106S	15
M-8141A-IC	136			P-037S-2	114	P-070S-H-10X	79	P-106S-10X	15
M-8141A-IS	136			P-037S-10X	34	P-071N	32	P-107N	17
M-8141A-IS-PAK	136			P-038N	66	P-071S	32	P-107S	17
M-8141A-SS	136			P-038S	66	P-072S-CN	13	P-107S-10X	17
M-8141A-SS-PAK	136			P-039N	37	P-073N	107	P-108N	11
M-8141A-SS-X	136			P-039S	37	P-073S	107	P-108S	11
M-8141A-SS-X-PAK	136			P-039S-10X	37	P-074N	73	P-108S-H-10X	11
M-8141A-TH	136			P-040N	66	P-074S	73	P-109N	32
M-8141A-TH-PAK	136			P-040S	66	P-074S-H-10X	73	P-109S	32
M-8141M	136			P-041N	75	P-075N	81	P-110N	49
M-8141M-PAK	136			P-041S	75	P-075S	81	P-110S	49
M-8141-SET	136			P-042N	39	P-076N	107	P-111N	107
M-8150	126			P-042S	39	P-076S	107	P-111S	107
M-8150-01	126, 137			P-042S-10X	39	P-077N	85, 111, 113	P-112N	73
M-8150-02	126, 137			P-042S-H-10X	39	P-077S	85, 111, 113	P-112S	73
M-8150-02-PFB	129, 137			P-043N	77	P-078N	85, 111, 113	P-112S-10X	73
M-8150-03	126, 137			P-043S	77	P-078S	85, 111, 113	P-113N	79
M-8150-04	126, 137			P-043S-10X	77	P-079N	86, 111, 113	P-113S	79
M-8150-04-PFB	129, 137			P-044N	103	P-079S	86, 111, 113	P-114N	46
M-8150-05	126, 137			P-044S	103	P-080N	91	P-114S	46
M-8150-06	126, 137			P-045N	42	P-080S	91	P-115N	93
M-8150-07	126, 137			P-045S	42, 117	P-080S-H-10X	91	P-115S	93
M-8150-08	126, 137			P-045S-1	114	P-081N	10	P-115S-1	114
M-8150-09	126, 137			P-045S-2	114	P-081S	10	P-116S	98
M-8150-10	126, 137			P-045S-10X	42	P-082N	73	P-116S-10X	98
M-8150/51-LPC-5ML	119			P-046S	42	P-082S	73	P-117N	100
M-8150A	126, 137			P-046S-10X	42	P-083N	15	P-117S	100
M-8150A-PAK	137			P-047N	82	P-083S	15	P-117S-10X	100
M-8150A-SET	126, 137			P-047S	82	P-083S-10X	15	P-118N	101
M-8150B-SS	120, 137, 138			P-047S-10X	82	P-084N	92	P-118S	101
M-8150B-SS-10X	137, 138			P-048N	44	P-084S	92	P-118S-10X	101
M-8150B-SS-PAK	120, 137, 138			P-048S	44	P-084S-10X	92	P-119N	83
M-8150M	130, 137			P-048S-H-10X	44	P-084S-50X	92	P-119S	83
M-8150M-2	130, 137			P-049N	85	P-084S-CN	92	P-120N	68
M-8150M-2-PAK	130, 137			P-049S	85	P-085N	93, 111, 113	P-120S	68
M-8150M-A	137			P-050N	95	P-085S	93, 111, 113	P-121N	77
M-8150M-A-PAK	137			P-050S	95	P-085S-10X	93	P-121S	77
M-8150M-PAK	130, 137			P-051N	79	P-085S-A-10X	93	P-121S-10X	77
M-8150M-SET	137			P-051S	79	P-086N	11	P-122N	107
M-8150S-A-01	126, 137			P-052N	86	P-086S	11	P-122S	107
M-8150S-A-02	126, 137			P-052S	86	P-087N	41	P-122S-10X	107
M-8150S-A-03	126, 137			P-053N	57	P-087S	41	P-123N	57
M-8150S-A-04	126, 137			P-053S	57	P-087S-H	41	P-123S	57
M-8150S-A-05	126, 137			P-053S-1	114	P-088N	14	P-123S-10X	57
M-8150S-A-06	126, 137			P-053S-2	114	P-088S	14	P-124N	68
M-8150S-A-07	126, 137			P-053S-10X	57	P-088S-10X	14	P-124S	68
M-8150S-A-08	126, 137			P-054N	57	P-089N	72	P-124S-H-10X	68



Catalog Number Index

P-125N	98	P-166N	93, 114	P-208N	97	P-247N	71	P-298S-A	64
P-125S	98	P-166S	93, 114	P-208S	97	P-247S	71	P-299N	36
P-125S-H-10X	98	P-167N	95	P-208S-H-10X	97	P-247S-10X	71	P-299S	36
P-126N	101	P-167S	95	P-209N	104	P-248N	24	P-300N	104
P-126S	101	P-168N	95	P-209S	104	P-248S	24	P-300S	104
P-126S-H-10X	101	P-168S	95	P-210N	106	P-249N	69	P-301N	14
P-127N	103	P-168S-10X	95	P-210S	106	P-249S	69	P-301S	14
P-127S	103	P-168S-CN	95	P-211N	32	P-251N	86	P-302N	63
P-128N	80	P-169N	97, 112, 114	P-211S	32	P-251S	86	P-302S	63
P-128S	80	P-169S	97, 112, 114	P-212N	19	P-252N	69	P-303N	34
P-129N	44	P-170N	81	P-212S	19	P-252S	69	P-303S	34
P-129S	44	P-170S	81	P-213N	20	P-253N	32	P-304N	83
P-129S-H-10X	44	P-170S-10X	81	P-213S	20	P-253S	32	P-304S	83
P-130N	3	P-171S	100	P-214N	71	P-254N	15	P-305N	83
P-130S	3	P-172N	104	P-214S	71	P-254S	15	P-305S	83
P-131N	3	P-172S	104	P-215N	85	P-255N	30	P-306N	92
P-131S	3	P-172S-H-10X	104	P-215S	85	P-255S	30	P-306S-CN	92
P-132S	5	P-173N	39	P-215S-10X	85	P-256N	12	P-307N	104
P-133N	18	P-173S	39	P-216N	16	P-256S	12	P-307S	104
P-133S-CN	18	P-174N	2	P-216S	16	P-257N	10	P-308N	105
P-133S-CN-10X	18	P-174S	2	P-217N	76	P-257S	10	P-308S	105
P-134N	17	P-175N	23, 111, 113	P-217S	76	P-258N	54	P-309S	5
P-134S	17	P-175S	23, 111, 113	P-218S	23	P-258S	54	P-310N	50
P-134S-H	17	P-175S-10X	23	P-219N	39	P-259N	47	P-310S	50
P-135N	17	P-176N	73	P-219S	39	P-259S	47	P-311N	71
P-135S	17	P-176S	73	P-219S-H-10X	39	P-260N	84	P-311S	71
P-135S-10X	17	P-177N	9	P-220N	42	P-260S	84	P-312N	85
P-136N	17	P-177S-A	9	P-220S-A	42	P-261N	98	P-312S	85
P-136S	17	P-177S-A-10X	9	P-220S-H-10X	42	P-261S	98	P-313N	23
P-139N	18	P-177S-CN	9	P-221N	20	P-262N	20	P-313S	23
P-139S	18	P-178N	34	P-221S	20	P-262S-CN	20	P-314N	19
P-140N	28	P-178S	34	P-222N	20	P-263N	28	P-314S	19
P-140S	28	P-179N	75	P-222S	20	P-263S	28	P-315N	39
P-140S-10X	28	P-179S	75	P-222S-10X	20	P-263S-10X	28	P-315S	39
P-140S-CN	28	P-180N	100	P-223N	20	P-264N	39	P-316N	12
P-141N	28	P-180S	100	P-223S	20	P-264S	39	P-316S	12
P-141S	28	P-180S-10X	100	P-224N	C, 65	P-265N	85	P-317N	62
P-141S-CN	28	P-181N	12	P-224S	C, 65	P-265S	85	P-317S	62
P-142N	31	P-181S	12	P-225N	26	P-266N	100	P-318N	66
P-142S	31	P-182N	15	P-225S	26	P-266S	100	P-318S	66
P-143N	33	P-182S	15	P-226N	28	P-267N	3	P-319N	46
P-143S	33	P-183N	42	P-226S	28	P-267S	3	P-319S	46
P-143S-CN	33	P-183S	42, 123	P-227N	64	P-268N	102	P-320N	28
P-144N	38	P-183S-10X	42	P-227S	64	P-268S	102	P-320S	28
P-144S	38	P-184N	76	P-228N	28	P-270N	51	P-320S-CN	28
P-144S-10X	38	P-184S	76	P-228S	28	P-270S	51	P-321N	100
P-145N	42	P-186S	58	P-229N	34	P-271N	30	P-321S	100
P-145S	42	P-187N	88	P-229S	34	P-271S	30	P-321S-CN	100
P-145S-10X	42	P-187S	88	P-230N	38	P-272N	16	P-322N	65
P-146N	42	P-188N	96	P-230S	38	P-272S	16	P-323S	62
P-146S	42	P-188S	96	P-231N	39	P-273N	75	P-324N	107
P-147N	46	P-189N	55, 111, 113	P-231S	39	P-273S	75	P-324S	107
P-147S	46	P-189S	55, 111, 113	P-231S-10X	39	P-274N	2	P-325N	91
P-148N	48	P-190N	98	P-232N	33	P-274S	2	P-325S	91
P-148S	48	P-190S	98	P-232S	33	P-275N	32	P-326S	58, 113
P-148S-10X	48	P-191N	13	P-233N	45	P-275S	32	P-326S-MC	58, 111, 113
P-148S-H-10X	48	P-191S	13	P-233S	45	P-276N	5	P-327N	94
P-149N	54	P-191S-10X	13	P-233S-10X	45	P-276S	5	P-327S	94
P-149S-CN	54	P-192N	106	P-234N	81	P-277N	78	P-328N	83
P-150N	30	P-192S	106	P-234S	81	P-277S	78	P-328S	83
P-150S	30	P-193N	53	P-234S-10X	81	P-278N	15	P-329N	18
P-152N	64	P-193S	53	P-234S-A-10X	81	P-278S	15	P-329S	18
P-152S	64	P-194N	49	P-235N	28	P-279N	13	P-330N	74
P-152S-10X	64	P-194S	49	P-235S	28	P-279S	13	P-330S	74
P-153N	66	P-195N	69	P-235S-H-10X	28	P-280N	101	P-330S-10X	74
P-153S	66	P-195S	69	P-236N	77	P-280S	101	P-331S	78
P-153S-CN	66	P-196N	27	P-236S	77	P-282N	66	P-331S-0.1X	78
P-154N	66	P-196S	27	P-236S-10X	77	P-283N	59	P-331S-H	78
P-154S	66	P-197N	105	P-237N	8	P-283S	59	P-332N	58
P-154S-CN	66	P-197S	105	P-237S	8	P-284S-CN	18	P-332S	58
P-155N	73	P-197S-10X	105	P-238N	43	P-285S	111, 113	P-333N	17
P-155S	73	P-198N	82	P-238S	43	P-285S-CN	59	P-333S	17
P-155S-10X	73	P-198S	82	P-239N	43	P-286S	22	P-334N	103
P-156N	70	P-199N	79	P-239S	43	P-287N	5, 113	P-334S	103
P-156S	70	P-199S	79	P-240N	106	P-287S-H	5, 113	P-334S-MC	113
P-157N	70	P-200N	1	P-240S	106	P-288N	38	P-335N	104
P-157S	70	P-200S-A	1	P-241N	9	P-288S	38	P-335S	104
P-158N	72	P-200S-A-10X	1	P-241S	9	P-289N	104	P-336N	94
P-158S	72	P-201N	6	P-242N	33	P-289S	104	P-337N	64
P-158S-10X	72	P-201S	6	P-242S	33	P-289S-CN	104	P-337S	64
P-159N	74	P-202N	7	P-242S-10X	33	P-290S	78	P-338N	18
P-159S	74	P-202S	7	P-242S-CN	33	P-291S	104	P-338S	18
P-159S-H-10X	74	P-203N	8	P-243N	16	P-292N	23	P-339N	94
P-160N	75	P-203S	8	P-243S	16	P-292S	23	P-339S	94
P-160S	75	P-203S-10X	8	P-244N	33	P-293N	91	P-340N	9
P-161N	77	P-204N	9	P-244S	33, 119	P-293S-CN	91	P-340S	9
P-161S	77	P-204S	9	P-244S-10X	33	P-294S	57	P-341N	55
P-162N	80	P-204S-10X	9	P-244S-CN	33	P-295N	33	P-341S	55
P-162S	80	P-205N	57	P-245N	2	P-295S	33	P-342N	73
P-163N	81	P-205S	57	P-245S	2	P-295S-10X	33	P-342S	73
P-163S	81	P-206N	64	P-245S-10X	2	P-296N	27, 113	P-343N	5, 111, 113
P-164N	85	P-206S	64	P-245S-CN	2	P-296S	27, 113	P-343S	5, 111, 113
P-164S	85	P-206S-H-10X	64	P-246N	2	P-297N	76	P-344N	6, 111, 113
P-165N	92, 113	P-207N	97	P-246S	2	P-297S	76	P-344S	6
P-165S	92, 113	P-207S-H-10X	97	P-246S-10X	2	P-297S-10X	76	P-345N	6, 111, 113

Catalog Number Index



P-345S	6, 111, 113	P-395N	88	P-443N	35	P-487S	31	P-538S-MC	32, 111, 113
P-346N	29	P-395S	88	P-443S	35	P-488S	22	P-539N	19, 111, 113
P-346S	29	P-395S-10X	88	P-444N	29	P-489N	75	P-539S-MC	19, 111, 113
P-346S-CN	29	P-396N	95	P-444S	29	P-489S	75	P-540N	19, 111, 113
P-347N	7	P-396S	95	P-444S-10X	29	P-490N	8	P-540S-MC	19, 111, 113
P-347S	7	P-397N	8	P-445N	10	P-490S	8	P-541N	19, 111, 113
P-348N	82	P-397S	8	P-445S	10	P-491N	51	P-541S-MC	19, 111, 113
P-348S	82	P-398N	20	P-445S-10X	10	P-491S	51	P-544S	5, 113
P-349N	101	P-398S	20	P-446N	16	P-492N	104, 114	P-545N	21
P-349S	101	P-398S-10X	20	P-446S	16	P-492S	104, 114	P-545S	21
P-350N	107	P-399N	16	P-447N	35	P-493N	26	P-546N	40
P-350S	107	P-399S-A	16	P-447S	35	P-493S	26	P-546S	40
P-351N	11	P-401N	18	P-448N	43	P-494N	72	P-547N	57
P-351S	11	P-401S	18	P-448S	43	P-494S	72	P-547S	57
P-352N	6	P-401S-10X	18	P-449N	61	P-495S-W	21	P-548N	26
P-352S	6	P-402N	20	P-449S	61	P-495S-W-10X	21	P-548S-CN	26
P-353N	7	P-402S	20	P-450N	79	P-496N	56	P-549N	84
P-353S	7	P-403N	58	P-450S	79	P-496S	56	P-549S	84
P-354N	25	P-403S	58	P-451N	96	P-496S-CN	56	P-550N	13
P-354S	25	P-404N	89	P-451S	96	P-497N	56	P-550S	13
P-355N	30	P-404S-CN	89	P-451S-10X	96	P-497S	56	P-551N	48
P-355S	30	P-405N	102	P-452N	96	P-498N	2	P-551S	48
P-356N	54	P-405S	102	P-452S	96	P-498S	2	P-552N	99
P-356S	54	P-406N	99	P-453N	78	P-499N	10	P-552S	99
P-356S-10X	54	P-406S	99	P-453S	78	P-499S	10	P-553N	102
P-356S-CN	54	P-407N	4	P-453S-10X	78	P-500N	57	P-553S	102
P-357N	81	P-407S	4	P-453S-TP	78	P-500S	57	P-554N	30
P-357S	81	P-408N	20	P-454N	8	P-501N	93, 114	P-554S	30
P-358N	79	P-408S	20	P-454S	8	P-501S	93, 114	P-555S	26
P-358S	79	P-409N	4	P-454S-10X	8	P-502N	67	P-556N	69
P-359N	88	P-409S-10X	4	P-455N	103	P-502S	67	P-556S	69
P-359S	88	P-409S-CN	4	P-455S	103	P-504N	97, 114	P-557N	101
P-361N	102	P-410N	5	P-455S-10X	103	P-504S	97, 114	P-557S	101
P-361S	102	P-410S	5	P-457N	13	P-505N	93	P-558N	17
P-363N	75	P-411N	24	P-457S	13	P-505S-W	93	P-558S	17
P-363S	75	P-411S	24	P-457S-10X	13	P-506N	65	P-559N	7
P-364N	43	P-412N	52	P-458N	22	P-506S	65	P-559S	7
P-364S	43	P-412S	52	P-459N	103	P-507N	105	P-560S	77
P-365N	47	P-414N	58	P-459S	103	P-507S	105	P-561N	23
P-365S	47	P-414S	58	P-459S-CN	103	P-507S-CN	105	P-561S	23
P-366N	50	P-415N	71	P-460N	81	P-508N	103	P-562N	15
P-366S	50	P-415S	71	P-460S	81	P-508S	103	P-562S	15
P-367N	63	P-415S-CN	71	P-461N	74	P-508S-CN	103	P-563N	69
P-367S	63	P-416N	71	P-461S	74	P-509N	71	P-563S	69
P-368N	41	P-417N	86	P-462N	90	P-509S	71	P-564N	70, 113
P-368S	41	P-417S	86	P-462S	90	P-510N	3	P-564S	70, 113
P-369N	99	P-418N	92	P-463N	72	P-510S	3	P-565N	36
P-369S	99	P-418S	92	P-463S	72	P-511N	12	P-565S	36
P-370N	66	P-419N	45	P-464N	97	P-511S	12	P-566N	31, 113
P-370S	66	P-419S	45	P-464S	97	P-512N	74	P-566S	31, 113
P-371N	66	P-420N	26, 113	P-465N	1	P-512S	74	P-567N	71
P-371S	66	P-420S	26, 113	P-465S	1	P-513N	39	P-567S	71
P-372N	12	P-420S-H	26, 113	P-466S	70	P-513S	39	P-568S	96
P-372S	12	P-422N	106	P-466S-10X	70	P-514N	34	P-569N	112
P-372S-10X	12	P-422S	106	P-467N	98	P-514S	34	P-569S	55, 112
P-373N	23	P-423S	45	P-467S	98	P-515N	105	P-570N	70
P-373S	23	P-423S-10X	45	P-468N	99	P-515S	105	P-570S-CN	70
P-375N	26	P-424N	29	P-468S	99	P-516N	105	P-571S	58
P-375S	26	P-424S	29	P-469N	28	P-516S	105	P-572S	40
P-376N	31	P-425N	77	P-469S	28	P-518N	14	P-573N	13
P-376S	31	P-425S	77	P-470N	33	P-518S	14	P-573S	13
P-377N	35	P-426N	31	P-470S	33	P-520N	17	P-574N	14
P-377S	35	P-426S	31	P-470S-CN	33	P-520S	17	P-574S	14
P-378S	51	P-427N	38	P-471N	62	P-521N	53	P-575N	38
P-379N	60	P-427S	38	P-471S	62	P-521S	53	P-575S	38
P-379S	60	P-427S-10X	38	P-471S-10X	62	P-522N	61	P-577S	16
P-380N	65	P-428N	6, 113	P-472N	22	P-522S	61	P-578N	53
P-380S	65	P-428S	6, 113	P-472S	22	P-523N	95	P-578S	53
P-381N	69	P-429N	41	P-473N	25	P-523S	95	P-579N	80
P-381S	69	P-429S	41	P-473S	25	P-523S-CN	95	P-579S	80
P-381S-10X	69	P-430N	84	P-474N	32	P-524S	39	P-580N	39, 113
P-382N	73	P-430S	84	P-474S	32	P-525N	43	P-580S	39, 113
P-382S	73	P-431N	54	P-475N	56	P-525S	43	P-582N	39
P-383N	74	P-431S	54	P-475S	56	P-526N	106	P-582S	39
P-383S	74	P-432N	92, 111, 113	P-476N	80	P-526S	106	P-583N	75
P-384N	38	P-432S	92, 111, 113	P-476S	80	P-528N	56	P-583S	75
P-384S	38	P-433N	77	P-477N	100	P-528S	56	P-584N	24
P-384S-10X	38	P-433S	77	P-477S	100	P-529N	65	P-584S	24
P-385N	40	P-434N	21	P-478N	102	P-529S	65	P-586N	50
P-385S	40	P-434S	21	P-478S	102	P-530N	4	P-586S	50
P-386N	40	P-435N	42	P-479S-CN	105	P-530S	4	P-587N	54
P-386S	40	P-435S	42	P-480N	45	P-531N	24	P-587S	54
P-387N	44	P-435S-10X	42	P-480S	45	P-531S	24	P-588N	45
P-387S	44	P-436N	72	P-481N	45	P-532N	55	P-588S	45
P-388N	44	P-436S	72	P-481S-A	47	P-532S	55	P-589N	59
P-388S-CN	44	P-437N	72	P-482N	30	P-533N	63	P-589S	59
P-389N	45	P-437S	72	P-482S	30	P-533S	63	P-589S-CN	59
P-389S	45	P-438N	27	P-483N	37	P-534N	35	P-591N	75
P-391N	78	P-439N	27	P-483S	37	P-534S	35	P-591S-CN	75
P-391S	78	P-439S-H	27	P-484N	12	P-535S	70	P-592N	102
P-392N	80	P-440N	95	P-484S	12	P-535S-TP	70	P-592S-CN	102
P-392S	80	P-440S-CN	95	P-485N	83	P-536N	44, 111, 113	P-593N	40
P-393N	80	P-441N	95	P-485S	83	P-536S-MC	44, 113	P-593S	40
P-393S	80	P-441S-CN	95	P-486N	100	P-537N	19, 111, 113	P-594N	11
P-394N	82	P-442N	37	P-486S	100	P-537S-MC	19, 111, 113	P-594S	11
P-394S	82	P-442S	37	P-487N	31	P-538N	32, 111, 113	P-595N	13



Catalog Number Index

P-595S	13	P-658S	57	P-713N	37	P-802S	48	P-877N	96
P-596N	59, 112	P-659N	52	P-713S	37	P-804S-CN	56	P-877S	96
P-596S	59, 112	P-659S	52	P-714S-CN	83	P-806N	58	P-878N	52
P-597N	8	P-660N	44	P-715S-CN	83	P-806S-CN	58	P-878S-CN	52
P-597S	8	P-660S	44	P-716S	87	P-807N	18	P-879S	96
P-598N	41	P-661N	63	P-717N	92	P-807S	18	P-880S-CN	62
P-598S	41	P-661S	63	P-717S	92	P-808N	99	P-881S-CN	69
P-599N	35	P-662N	46	P-718N	67	P-808S	99	P-882N-5MG	91
P-599S	35	P-662S	46	P-718S	67	P-810S-CN	55	P-882S	91
P-600N	68	P-663N	82	P-719N	7	P-811N	11	P-884N	47
P-600S	68	P-663S-CN	82	P-719S	7	P-811S	11	P-884S	47
P-600S-CN	68	P-664N	10	P-720N	26	P-816N-5MG	18	P-890S-CN	2
P-601N	50	P-664S	10	P-720S	26	P-816S-CN	18	P-893N	62
P-601S	50	P-665N	10	P-721N	98	P-820N	1, 112	P-893S-CN	62
P-602S-CN	21	P-665S	10	P-722N	35	P-820S-CN	1, 112	P-895N	1
P-602S-CN-10X	21	P-666N	103	P-722S	35	P-821N	4	P-895S	1
P-603N	42	P-666S-CN	103	P-723N	89	P-821S-CN	4	P-896N	47
P-603S	42	P-667S	83	P-723S	89	P-822N	14	P-896S	47
P-604N	35	P-668S	90	P-724N	48	P-822S-CN	14	P-900S-CN	72
P-604S	35	P-669N	11	P-724S	48	P-823N	21	P-901N	9
P-605N	55	P-669S	11	P-725N	40	P-823S-CN	21	P-902S-CN	51
P-605S	55	P-670N	3	P-725S-A	40	P-824S-CN	43	P-904S	34
P-606N	34	P-670S	3	P-726N	96	P-825S-CN	44	P-905S-CN	37
P-606S	34	P-671N	8	P-726S	96	P-827S-CN-0.1X	50	P-907N	54
P-607S	55	P-671S	8	P-727N	96	P-828S-CN	55	P-907S	54
P-608N	86	P-672N	13	P-727S	96	P-829N	60	P-908N	85
P-609N	61	P-672S	13	P-728N	92	P-829S-CN	60	P-908S	85
P-609S	61	P-673N	21	P-728S	92	P-830N	61	P-909S	2
P-610S	89	P-673S	21	P-729S	97	P-830S-CN	61	P-910S	2
P-611N	71	P-674S	21	P-730N	97	P-831N	61	P-911S	1
P-611S	71	P-675N	32	P-730S	97	P-831S-CN	61	P-912S	1
P-612S	56	P-675S	32	P-732N	81	P-832N	63	P-913S	14
P-613N	97, 114	P-676N	53	P-732S	81	P-832S-CN	63	P-914S	36
P-613S	97, 114	P-676S	53	P-734N	80	P-833N	84	P-915S	72
P-615N	1	P-677N	12	P-734S	80	P-833S-CN	84	P-916S	72
P-615S	1	P-677S	12	P-735N	25	P-834N	87	P-917S	36
P-617S	43	P-678N	9	P-735S	25	P-834S-CN	87	P-918S	36
P-618N	88	P-678S	9	P-736N	67	P-835N	87	P-919S	85
P-618S	88	P-679N	11	P-736S	67	P-835S-CN	87	P-920S	51
P-620N	19	P-679S	11	P-737N	73	P-836N	91	P-921S	85
P-620S	19	P-680N	48	P-737S	73	P-836S-CN	91	P-922S	51
P-621N	98	P-680S	48	P-738N	49, 112	P-837N	91	P-926N	50
P-621S	98	P-681S	94	P-738S	49, 112	P-837S-CN	91	P-926S	50
P-622N	46	P-683S-CN	21	P-738S-A	49, 112	P-838N	99, 112	P-927N	53
P-622S	46	P-684S	23	P-739N	84	P-838S-CN	99, 112	P-927S	53
P-623N	46	P-686N	48	P-739S	84	P-839S-CN-0.1X	100	P-929N	22
P-623S	46	P-686S	48	P-740N	64	P-840N	105	P-929S	22
P-624N	71	P-687N	51	P-740S	64	P-840S-CN	105	P-934N	37
P-624S	71	P-687S	51	P-741N	40	P-842S-CN	2	P-934S	37
P-625N	4	P-688S	100	P-741S	40	P-843N	13	P-935N	40
P-625S-W	4	P-689N	105	P-742N	87	P-843S-CN	13	P-935S-CN	40
P-625S-W-10X	4	P-689S	105	P-742S	87	P-844S-CN	37	P-938N	93
P-626N	103	P-690N	27	P-743N	102	P-845N	38	P-938S	93
P-626S	103	P-690S	27	P-743S	102	P-845S-CN	38	P-940N	14
P-627N	103	P-690S-CN	27	P-744N	35	P-847N	44	P-940S	14
P-627S	103	P-691N	27	P-744S	35	P-847S-CN	44	P-944N-5MG	25
P-628N	36	P-691S	27	P-745N	67	P-848N	45	P-944S	25
P-628S	36	P-692N	90	P-745S	67	P-848S-CN	45	P-947N	22, 112
P-630S	15	P-692S	90	P-746N	61, 113	P-849S-CN	46	P-947S	22, 112
P-631N	62	P-692S-CN	90	P-746S	61, 113	P-850N	46	P-949N	16
P-631S	62	P-693N	89	P-747N	36	P-850S-CN	46	P-951N	94
P-632N	33, 111, 113	P-693S	89	P-747S	36	P-852N	54	P-951S	94
P-632S	33, 113	P-694N	47	P-749N	91	P-852S-CN	54	P-952N	16
P-633N	74, 111, 113	P-694S	47	P-749S	91	P-853S-CN-0.1X	59	P-952S	16
P-633S	74, 111, 113	P-695N	76	P-753N	54	P-855N	67	P-953S-CN	48
P-635N	63, 111, 113	P-695S	76	P-753S	54	P-855S-CN	67	P-957S-CN	16
P-635S	63, 111, 113	P-696N	90	P-755N	22	P-856N	69	P-958S-CN	61
P-636N	27	P-696S	90	P-755S-CN	22	P-856S-CN	69	P-959S-CN	43
P-636S	27	P-697N	57	P-771S-CN	18	P-856S-CN-0.1X	69	P-960S-CN	94
P-637S-EA-0.1X	16	P-697S	57	P-772N-5MG	10	P-857N	70	P-961S-CN	74
P-640N	31	P-698N	51	P-772S	10	P-857S-CN	70	P-962S-CN	68
P-640S-A	31	P-698S	51	P-779N	38	P-858N	75, 112	P-963S-CN	52
P-641N	34	P-699N	54	P-779S	38	P-858S-CN	75, 112	P-964N	44
P-641S-CN	34	P-699S	54	P-780S-A	49, 112	P-859N	78	P-964S-CN	44
P-642N	36	P-700N	20	P-781N-5MG	49, 112	P-859S-CN	78	P-965S-CN	87
P-642S	36	P-700S	20	P-781S-A	49, 112	P-860N	82	P-966N-5MG	76
P-643N	36, 113	P-701N	14	P-782S-A	49, 112	P-860S-CN	82	P-966S	76
P-643S	36, 113	P-701S	14	P-783N	47	P-861N	86	P-967S-CN	76
P-645N	44	P-702N	100	P-783S	47	P-861S-CN	86	P-969N	24
P-645S	44	P-702S	100	P-784N	43	P-863N	87	P-969S	24
P-646N	7	P-703N	104	P-784S	43	P-863S-CN	87	P-970S-CN	107
P-646S	7	P-703S-CN	104	P-785N	44	P-864N	93	P-971N	6
P-647N	53	P-704N	65	P-785S-CN	44	P-864S-CN	93	P-971S-CN	6
P-647S	53	P-704S	65	P-787S-H	46	P-865S-CN-0.1X	94	P-973S-CN	5
P-648N	60	P-705N	48	P-788N	76	P-866N	99, 112	P-975S-CN	25
P-648S	60	P-705S	48	P-789S-CN	55	P-866S-CN	99, 112	P-979N	64
P-649N	64	P-707N	73	P-791S-CN	25	P-867N	105	P-979S-CN	64
P-649S	64	P-707S-A	73	P-792S-CN	87	P-867S-CN	105	P-981S-CN	22
P-650N	70	P-708N	41	P-794N	14	P-868S-CN	106	P-982S-CN	24
P-650S	70	P-709N	26	P-794S	14	P-868S-CN-10X	106	P-983S-CN	60
P-652S	71	P-709S	26	P-795N	90	P-869N	94	P-984S	62
P-653S-TP-0.1X	76	P-710N	84	P-795S-CN	90	P-869S-CN	94	P-985N	91
P-655S-H	81	P-710S-A	84	P-798N	94	P-874N	68	P-985S	91
P-656N	82	P-711S	6, 111	P-798S-CN	94	P-874S	68	P-986S-CN	38, 112
P-657S	87	P-712N	27	P-801S-CN	9	P-875N	79	P-987S	89
P-658N	57	P-712S	27	P-802N	48	P-875S-CN	79	P-988N	60

Catalog Number Index



P-988S	60	P-1043S	68	P-1113S-CN-10X	106	P-1330N	35
P-989S	89	P-1044N	68	P-1114S-CN	68	P-1330S	35
P-990N	89	P-1044S	68	P-1114S-CN-10X	68	P-1331S-CN	83
P-990S	89	P-1045S-A	77	P-1116S-CN	88	P-1332S	88
P-991S	45	P-1046S	79	P-1116S-CN-10X	88	P-1342S	84
P-992S-D	52	P-1047N	80	P-1118S-A	25	P-1343S-A	75
P-993N	52	P-1047S	80	P-1118S-A-10X	25	P-1344S	67
P-993S	52	P-1048N	4	P-1124N	50	P-1345S-A	42
P-995N	77	P-1048S	4	P-1124S-CN	50	P-1346S	102
P-995S	77	P-1049S-A-0.1X	9	P-1128S-A	55	P-1348N	41
P-996N-5MG	41	P-1050S-0.1X	56	P-1128S-A-10X	55	P-1348S	41
P-996S	41	P-1051S-0.1X	80	P-1129S-CN	76	P-1352S	40
P-997N	47	P-1052N	48	P-1131S-CN	80	P-1365S-CN	59
P-997S	47	P-1052S-D	48	P-1133N	95	P-1366S-CN	59
P-998S	4	P-1053N	67	P-1133S	95, 112	P-1368S-CN	19
P-999N	98	P-1053S-A	67	P-1135S-CN	23	P-1374S	74
P-999S	98	P-1054N	19	P-1136S-CN	45	P-1377S	11
P-1000N	98	P-1054S	19	P-1137S-CN	85	P-1379N	78
P-1000S	98	P-1055N	100	P-1138S-CN	77	P-1379S	78
P-1001N	98	P-1055S	100	P-1139S-CN	83	P-1394S	14
P-1001S-TP	98	P-1056S	50	P-1144S-CN	88	P-1439S-CN	30
P-1002N	103	P-1057S-A	37	P-1150S-CN	54	P-1440S-CN	24
P-1002S-TP	103	P-1059S	12	P-1151S-CN	35	P-1441S-CN	24
P-1003N	98	P-1060N	90	P-1152S-CN	4	P-1442S-CN	30
P-1003S	98	P-1060S	90	P-1153S-CN	81	P-1443-CN	30
P-1004N	103	P-1061N	82	P-1154N	82	P-1444S-CN	4
P-1004S	103	P-1061S	82	P-1154S-CN	82	P-1445N	24
P-1005N	33	P-1062N	67	P-1155N	53	P-1445S	24
P-1005S-T	33	P-1062S	67	P-1156S-CN	87	P-1458N	6
P-1006N	103	P-1063N	58	P-1157S-CN	21	PES-PU-001	114
P-1006S	103	P-1063S	58	P-1157S-CN-10X	21	PES-PU-001-PAK	114
P-1007N	74	P-1063S-CN	58	P-1158S-CN	86	PES-PU-SS	114
P-1007S	74	P-1064N	31	P-1158S-CN-10X	86	PES-PU-SS-PAK	114
P-1008N	33	P-1064S-A	31	P-1159S-CN	63	P-FIP-MET-KIT	112
P-1008S	33	P-1065N-5MG	22	P-1160S-CN	51	Z-004-SET	114
P-1009N	21	P-1065S-A	22	P-1160S-CN-10X	51	Z-014C	127
P-1009S	21	P-1066S	78	P-1161S-CN	81	Z-014C-PAK	127
P-1010N	67	P-1067N	80	P-1162S-CN	16	Z-014C-R	127
P-1010S	67	P-1067S	80	P-1163S-CN	18	Z-014C-R2	126, 127
P-1011S-CN	97	P-1068N	84	P-1163S-CN-10X	18	Z-014C-R2-PAK	126, 127
P-1011S-CN-10X	97	P-1069N	24	P-1164S-CN	72	Z-014C-R-PAK	127
P-1012S	13	P-1069S	24	P-1164S-CN-10X	72	Z-017-SET	114
P-1013N	72	P-1070N	43	P-1166-CN-10X	86	Z-023-SET	114
P-1013S	72	P-1070S	43	P-1166S-CN	86	Z-031-SET	114
P-1014N	86	P-1071N	23	P-1167S-CN	87		
P-1014S-W-0.5X	86	P-1074N	22	P-1167S-CN-10X	87		
P-1015N	88	P-1074S	22	P-1168S-CN	60, 113		
P-1015S-A	88	P-1075N	37	P-1169S-CN	101		
P-1016N	106	P-1075S	37	P-1169S-CN-10X	101		
P-1016S	106	P-1076N	15	P-1186S-CN	11		
P-1017N	17	P-1077N	94	P-1186S-CN-10X	11		
P-1017S-CN	17	P-1077S-CN	94	P-1191S	93, 113		
P-1018S-CN	81	P-1078N	91	P-1194S-CN	99		
P-1018S-T-0.1X	81	P-1078S	91	P-1194S-CN-10X	99		
P-1019S-CN-0.5X	59	P-1079N	19	P-1203S-CN	90		
P-1020S-A-0.5X	36	P-1079S	19	P-1204N	78		
P-1021S	47	P-1080N	8	P-1204S-CN	78		
P-1021S-0.5X	47	P-1080S	8	P-1205S-CN	25		
P-1022N	62	P-1081N	87	P-1205S-CN-10X	25		
P-1022S	62	P-1081S	87	P-1209S-CN	88		
P-1023N	66	P-1082N	66	P-1209S-CN-10X	88		
P-1023S-CN	66	P-1082S	66	P-1210N	35		
P-1024N	52	P-1083S-CN	93	P-1212S-CN	89		
P-1024S-A	52	P-1084S-CN	63	P-1212S-CN-10X	89		
P-1025N	50	P-1084S-CN-10X	63	P-1214S-CN	14		
P-1025S-CN	50	P-1085N	107	P-1214S-CN-10X	14		
P-1026N	19	P-1085S	107	P-1215S-CN	59		
P-1026S	19	P-1086N	25	P-1215S-CN-10X	59		
P-1027N	27	P-1086S	25	P-1218S-CN	51		
P-1027S-CN	27	P-1086S-CN	25	P-1218S-CN-10X	51		
P-1028S-CN	67	P-1087S-CN	28	P-1219S-A-CN	60		
P-1029N	67	P-1088S-CN	53	P-1219S-A-CN-10X	60		
P-1029S-CN	67	P-1088S-CN-10X	53	P-1220S-CN	69		
P-1030S-0.5X	90	P-1089S-CN	56	P-1220S-CN-10X	69		
P-1031N	77	P-1090S-CN	68	P-1223N	99, 112		
P-1031S-CN	77	P-1092S-CN	106	P-1223S	99, 112		
P-1032N	72	P-1093S-CN	89	P-1224N	60, 112		
P-1032S-CN	72	P-1094S	52	P-1224S	60, 112		
P-1033S-CN	30	P-1095S-CN	53	P-1226N	58, 112		
P-1033S-CN-10X	30	P-1096N	63	P-1226S	58, 112		
P-1034N	106	P-1096S-CN	63	P-1233S-A	60		
P-1034S	106	P-1097N	101	P-1233S-A-10X	60		
P-1035N	33	P-1097S-CN-10X	101	P-1266S	31, 112		
P-1035S	33	P-1098S-CN	43	P-1267N	20, 112		
P-1036S-CN-0.5X	6	P-1098S-CN-10X	43	P-1267S	20, 112		
P-1037N	1	P-1099S-CN	9	P-1272N	26		
P-1037S-CN	1	P-1099S-CN-10X	9	P-1272S	26		
P-1038N	33	P-1100S-CN	37	P-1291S-A	36		
P-1038S	33	P-1109N	96	P-1291S-A-10X	36		
P-1039S	3	P-1109S-CN	96	P-1293S	47		
P-1040S	63	P-1111S	90	P-1293S-10X	47		
P-1041N	7	P-1111S-10X	90	P-1312S	92		
P-1041S	7	P-1112S-CN	101	P-1327S-T	7		
P-1042N	49	P-1112S-CN-10X	101	P-1328N	93		
P-1042S-CN	49	P-1113S-CN	106	P-1329S-CN	61		



Catalog Number Index

Custom Formulations

- ✓ Fast Turnaround
- ✓ 30-Plus Years Custom Formulation Experience
- ✓ Custom Standards are a cost and time saving alternative

Custom pesticide formulations can be prepared for residue screening and other applications.

Custom QC options

1. 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. A Certificate of Analysis accompanies each Standard and documents the gravimetric values used.

2. Full Quantitative Certification:

This QA/QC method includes extended GC, GC/MS or LC analysis using both internal calibration standards plus statistical analysis.



Custom Quotation Requests

Custom formulations can be requested by contacting Technical Service: techservice@accustandard.com or using our website AccuStandard.com.

For additional information, contact our Technical Department
203-786-5290 or visit AccuStandard.com

Technical Reference

Solvent Miscibility Table, Density and Boiling Point

Acetic acid (1.049 g/mL) (117-118°C)									
Acetone (0.791 g/mL) (56°C)									
Acetonitrile (AcCN) (0.786 g/mL) (81-82°C)									
Benzene (0.874 g/mL) (80°C)									
2-Butanol (0.808 g/mL) (98°C)									
Butyl alcohol (0.81 g/mL) (116-118°C)									
tert-Butylmethyl ether (MtBE) (0.74 g/mL) (55-56°C)									
Carbon tetrachloride (1.594 g/mL) (76-77°C)									
Chloroform (1.492 g/mL) (60.5-61.5°C)									
Cyclohexane (0.779 g/mL) (80.7°C)									
Cyclopentane (0.751 g/mL) (50°C)									
Dichloroethane (1.256 g/mL) (83°C)									
N,N-Dimethylformamide (DMF) (0.944 g/mL) (153°C)									
1,4-Dioxane (1.034 g/mL) (100-102°C)									
Dipropyl ether (0.736 g/mL) (88-90°C)									
Ethyl acetate (EtOAc) (0.902 g/mL) (76.5-77.5°C)									
Ethyl alcohol (EtOH) (0.789 g/mL) (78°C)									
Ethyl ether (0.706 g/mL) (34.6°C)									
n-Heptane (0.684 g/mL) (98°C)									
n-Hexane (0.659 g/mL) (69°C)									
Isooctane (0.692 g/mL) (98-99°C)									
Isopropyl alcohol (0.785 g/mL) (82°C)									
Methanol (MeOH) (0.791 g/mL) (64.7°C)									
Methylene chloride (CH ₂ Cl ₂) (1.325 g/mL) (39.8-40°C)									
Methyl sulfoxide (DMSO) (1.10 g/mL) (189°C)									
n-Pentane (0.626 g/mL) (35-36°C)									
1,1,2,2-Tetrachloroethane (1.586 g/mL) (147°C)									
Tetrahydrofuran (THF) (0.889 g/mL) (65-67°C)									
Toluene (0.865 g/mL) (110-111°C)									
Trichloroethane (1.336 g/mL) (74-76°C)									
Water (1 g/mL) (100°C)									
Xylene (0.868 g/mL) (138-139°C)									

Miscible
 Immiscible

Read down column and across for solvent miscibility

Density @ 25°C
Boiling Point

For technical information including: methods, papers, FAQs and helpful hints



Visit our website
AccuStandard.com

Labels, Safety, Storage and Packaging

All organic solutions are in 2 mL Ampules, filled to approximately 1.2 mL to ensure 1 mL can be transferred.

2-Part Label System

Smudgeproof, tear and solvent resistant *

Part One can be placed into a laboratory journal to document the standard used for the analysis. This label section includes the catalog number, description, lot number, expiration date, safety information, proper storage conditions and documents AccuStandard as the manufacturer.

Part Two duplicates required information for labeling transfer vial(s) with correct information.

* Includes the most common solvents:
Methylene chloride, Methanol and Acetone



Part One

Part Two



Usage, Handling and Storage

Amber ampules are used to ensure the integrity of the contents. The ampule contains at least 120% of the stated volume of a solution, allowing easy transfer. Transfer the required amount using a pipet or clean gastight syringe. Excess solution can be stored in a tightly capped vial.

Expiration dates are determined by short-term and long-term stability studies, experience and knowledge of chemical interactions. As part of our long-term studies, standards are analyzed at the end of their assigned period and sometimes can be recertified for an additional length of time.

All products come with storage conditions listed on the label of the ampule or bottle. Some chemical formulations require refrigeration or freezer storage to inhibit adverse reactions among the components. It is imperative that these conditions are followed to preserve the integrity of the material.

GHS Symbols



• Acute Toxicity (fatal or toxic)

GHS-06



• Flammables
• Self Reactives
• Pyrophorics
• Self-Heating
• Emits Flammable Gas
• Organic Peroxides

GHS-02



• Carcinogen
• Respiratory Sensitizer
• Reproductive Toxicity
• Mutagenicity
• Aspiration Toxicity

GHS-08



• Irritant
• Skin Sensitizer
• Acute toxicity (harmful)
• Narcotic Effects
• Respiratory Tract Irritant

GHS-07



• Corrosives
• Skin corrosion/burns
• Eye Damage
• Corrosive to Metals

GHS-05



• Aquatic Toxicity

GHS-09

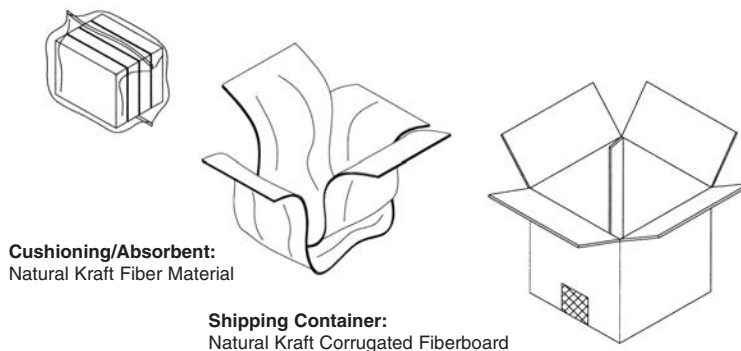
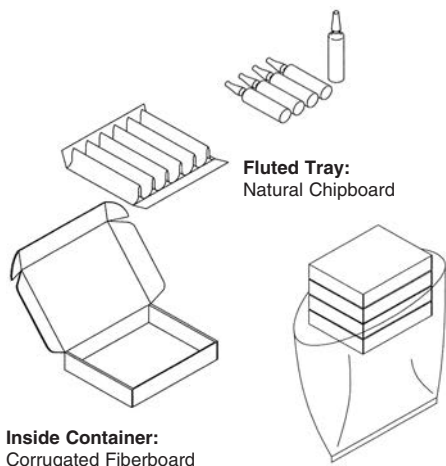


• Oxidizers

GHS-03

AccuStandard uses recyclable and biogradable material

Package compliant with DOT and International regulations.





AccuStandard[®]

Phone: 203-786-5290
Toll Free: 800-442-5290

Fax: 203-786-5287
Fax Toll Free: 877-786-5287

Email: usa@accustandard.com
Website: AccuStandard.com