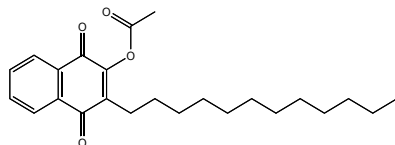




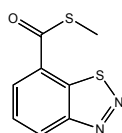
## Acequinocyl



**CAS** 57960-19-7 **MF** C<sub>24</sub>H<sub>32</sub>O<sub>4</sub> **MW** 384.51  
**PS S SOL** MeOH **SG** 1.13 g/cm<sup>3</sup> **MP** 59-60 °C  
**BP** Decomposes ~200 °C

Matrix	Cat. No.	Unit
Neat	P-1037N	10 mg
100 µg/mL in MeOH	P-1037S	1 mL

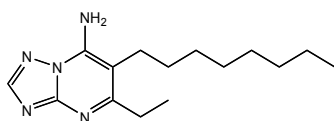
## Acibenzolar-S-methyl



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

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

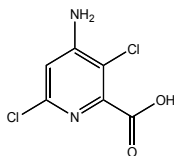
## Ametoctradin



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

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

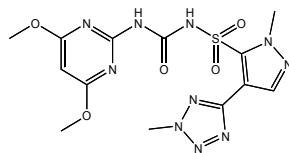
## Aminopyralid



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

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

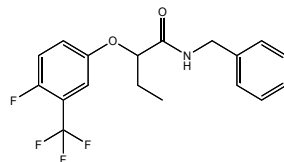
## Azimsulfuron



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

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

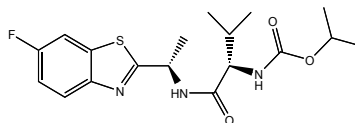
## Beflubutamid



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

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

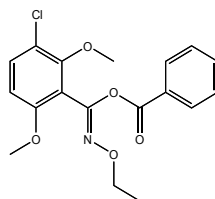
## Benthiavalcarb-isopropyl



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

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

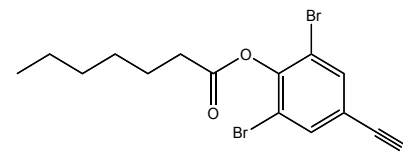
## Benzoximate



**CAS** 29104-30-1 **MF** C<sub>18</sub>H<sub>18</sub>ClNO<sub>5</sub> **MW** 363.79  
**PS S SOL** H **SG** 1.30 g/cm<sup>3</sup> **MP** 73 °C **FP** >200 °C

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

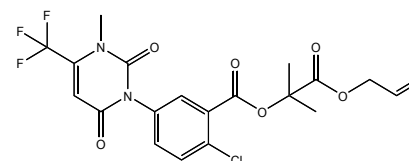
## Bromoxynil-heptanoate



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

Matrix	Cat. No.	Unit
Neat	P-1012N	10 mg
100 µg/mL in MeOH	P-1012S	1 mL

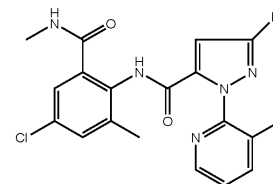
## Butafenacil



**CAS** 134605-64-4 **MF** C<sub>20</sub>H<sub>18</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>6</sub> **MW** 474.81  
**PS S SG** 1.41 g/cm<sup>3</sup> **MP** 113 °C **BP** 539 °C  
**FP** 280 °C

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

## Chlorantraniliprole



**CAS** 500008-45-7 **MF** C<sub>18</sub>H<sub>14</sub>BrCl<sub>2</sub>N<sub>5</sub>O<sub>2</sub> **MW** 483.15  
**PS S SOL** A, MeOH, EA **SG** 1.51 g/cm<sup>3</sup> **MP** 209 °C

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

### Property Key

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

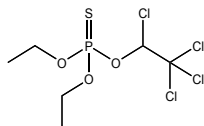
### Solubility Key (SOL)

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



# Supplement to Pesticide Guide (86 New Pesticides)

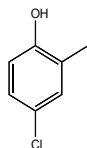
## Chlorethoxyfos



**CAS** 54593-83-8 **MF** C<sub>8</sub>H<sub>11</sub>Cl<sub>2</sub>O<sub>3</sub>PS **MW** 336.00  
**PS** S **SG** 1.64 g/cm<sup>3</sup> **BP** 110 °C **FP** 230 °C

Matrix	Cat. No.	Unit
Neat	P-1017N	10 mg
100 µg/mL in AcCN	P-1017S-CN	1 mL

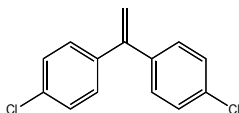
## 4-Chloro-2-methylphenol



**CAS** 1570-64-5 **MF** C<sub>7</sub>H<sub>7</sub>ClO **MW** 142.58  
**PS** S **SG** 1.23 g/cm<sup>3</sup> **MP** 51 °C **BP** 223 °C  
**FP** 78 °C

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

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



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

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

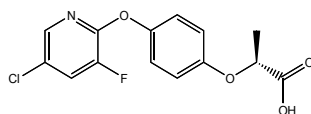
### Property Key

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

### Solubility Key (SOL)

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

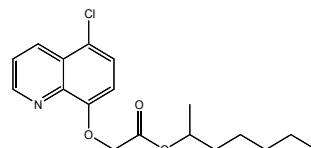
## Clodinafop



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

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

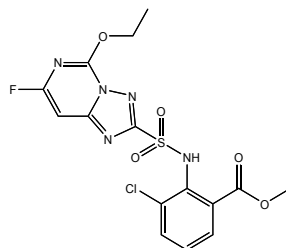
## Cloquintocet-mexyl



**CAS** 99607-70-2 **MF** C<sub>16</sub>H<sub>22</sub>ClNO<sub>3</sub> **MW** 335.82  
**PS** S **SOL** A, H, M, T **SG** 1.05 g/cm<sup>3</sup> **MP** 69-70 °C

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

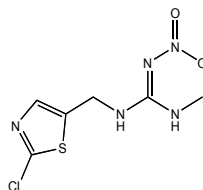
## Cloransulam methyl



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

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

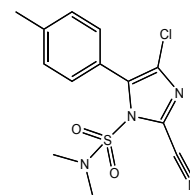
## Clothianidin



**CAS** 210880-92-5 **MF** C<sub>6</sub>H<sub>6</sub>ClN<sub>2</sub>O<sub>2</sub>S **MW** 249.68  
**PS** S **SOL** A, AE **SG** 1.68 g/cm<sup>3</sup> **MP** 145-147 °C  
**BP** 435 °C **FP** 217 °C

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

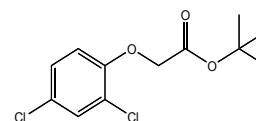
## Cyazofamid



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

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

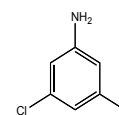
## 2,4-D isobutyl ester



**CAS** 1713-15-1 **MF** C<sub>12</sub>H<sub>11</sub>Cl<sub>2</sub>O<sub>3</sub> **MW** 277.14 **PS** S  
**SG** 1.24 g/cm<sup>3</sup> **MP** 93 °C **BP** 338-339 °C **FP** 129 °C

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

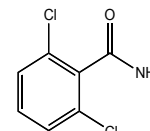
## 3,5-Dichloroaniline



**CAS** 626-43-7 **MF** C<sub>6</sub>H<sub>5</sub>Cl<sub>2</sub>N **MW** 162.02 **PS** S  
**SG** 1.58 g/cm<sup>3</sup> **MP** 49-53 °C **BP** 260 °C **FP** 133 °C

Matrix	Cat. No.	Unit
Neat	P-1008N	10 mg
100 µg/mL in MeOH	P-1008S	1 mL

## 2,6-Dichlorobenzamide

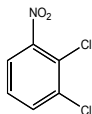


**CAS** 2008-58-4 **MF** C<sub>7</sub>H<sub>5</sub>Cl<sub>2</sub>NO **MW** 190.03 **PS** S  
**SOL** MeOH **SG** 1.44 g/cm<sup>3</sup> **MP** 196-201 °C

Matrix	Cat. No.	Unit
Neat	P-1035N	10 mg
100 µg/mL in MeOH	P-1035S	1 mL



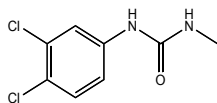
## 2,3-Dichloronitrobenzene



**CAS** 3209-22-1 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>NO<sub>2</sub> **MW** 192.00 **PS** S  
**SG** 1.45 g/cm<sup>3</sup> **MP** 62 °C **BP** 257-258 °C  
**FP** 124 °C

Matrix	Cat. No.	Unit
Neat	P-1005N	10 mg
100 µg/mL in Toluene	P-1005S-T	1 mL

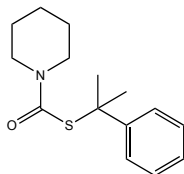
## 1-(3,4-Dichlorophenyl)-3-methylurea



**CAS** 3567-62-2 **MF** C<sub>8</sub>H<sub>8</sub>Cl<sub>2</sub>N<sub>2</sub>O **MW** 219.07 **PS** S  
**SG** 1.41 g/cm<sup>3</sup> **MP** 123-124 °C **BP** 295-296 °C  
**FP** 132 °C

Matrix	Cat. No.	Unit
Neat	P-1038N	10 mg
100 µg/mL in MeOH	P-1038S	1 mL

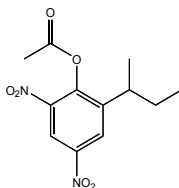
## Dimepiperate



**CAS** 61432-55-1 **MF** C<sub>16</sub>H<sub>21</sub>NOS **MW** 263.40  
**PS** S **SOL** A, H, MeOH **SG** 1.08 g/cm<sup>3</sup> **MP** 39-40 °C  
**BP** 376 °C **FP** 181 °C

Matrix	Cat. No.	Unit
50 µg/mL in Acetone	P-1020S-A-0.5X	1 mL

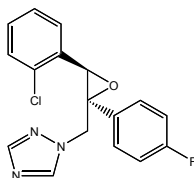
## Dinoseb acetate



**CAS** 2813-95-8 **MF** C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>6</sub> **MW** 282.25  
**PS** S **SG** 1.30 g/cm<sup>3</sup> **MP** 144 °C **BP** 363-364 °C  
**FP** 145 °C

Matrix	Cat. No.	Unit
Neat	P-779N	10 mg
100 µg/mL in MeOH	P-779S	1 mL

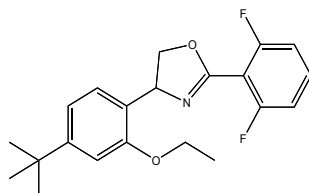
## Epoxiconazole



**CAS** 135319-73-2 **MF** C<sub>17</sub>H<sub>13</sub>ClFN<sub>3</sub>O **MW** 329.76  
**PS** S **SOL** EA, A, T **SG** 1.38 g/cm<sup>3</sup> **MP** 136-137 °C  
**BP** Decomposes @ 120 °C **FP** >310 °C

Matrix	Cat. No.	Unit
Neat	P-784N	10 mg
100 µg/mL in MeOH	P-784S	1 mL

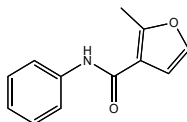
## Etoxazole



**CAS** 153233-91-1 **MF** C<sub>21</sub>H<sub>23</sub>F<sub>2</sub>NO<sub>2</sub> **MW** 359.41  
**PS** S **SOL** EA, A, MeOH **SG** 1.24 g/cm<sup>3</sup> **MP** 102 °C  
**FP** 457 °C

Matrix	Cat. No.	Unit
Neat	P-991N	10 mg
100 µg/mL in MeOH	P-991S	1 mL

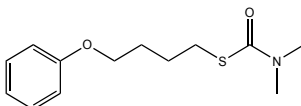
## Fenfuram



**CAS** 24691-80-3 **MF** C<sub>12</sub>H<sub>11</sub>NO<sub>2</sub> **MW** 201.22  
**PS** S **SOL** A, MeOH **MP** 109-110 °C

Matrix	Cat. No.	Unit
Neat	P-896N	10 mg
100 µg/mL in MeOH	P-896S	1 mL

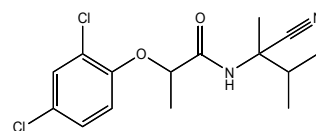
## Fenothiocarb



**CAS** 62850-32-2 **MF** C<sub>12</sub>H<sub>11</sub>NO<sub>2</sub> **MW** 201.22  
**PS** S **SOL** A, MeOH **MP** 109-110 °C

Matrix	Cat. No.	Unit
50 µg/mL in MeOH	P-1021S-0.5X	1 mL

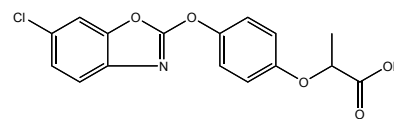
## Fenoxanil



**CAS** 115852-48-7 **MF** C<sub>15</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub> **MW** 329.22  
**PS** S **SOL** MeOH **SG** 1.22 g/cm<sup>3</sup> **MP** 71 °C  
**BP** Decomposes 420 °C **FP** 420 °C

Matrix	Cat. No.	Unit
Neat	P-997N	10 mg
100 µg/mL in MeOH	P-997S	1 mL

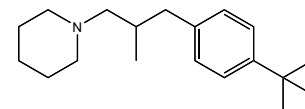
## Fenoxaprop



**CAS** 95617-09-7 **MF** C<sub>16</sub>H<sub>12</sub>ClNO<sub>5</sub> **MW** 333.72  
**PS** S **SG** 1.42 g/cm<sup>3</sup> **MP** 166-168 °C  
**BP** 506-507 °C **FP** 260 °C

Matrix	Cat. No.	Unit
Neat	P-884N	10 mg
100 µg/mL in MeOH	P-884S	1 mL

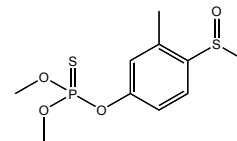
## Fenpropidin



**CAS** 67306-00-7 **MF** C<sub>18</sub>H<sub>31</sub>N **MW** 273.46  
**PS** L **SOL** A, EA **SG** 0.91 g/cm<sup>3</sup> **MP** -65 °C  
**BP** Decomposes ~243 °C **FP** 156 °C

Matrix	Cat. No.	Unit
Neat	P-802N	10 mg
100 µg/mL in MeOH	P-802S	1 mL

## Fenthion sulfoxide



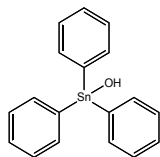
**CAS** 3761-41-9 **MF** C<sub>10</sub>H<sub>15</sub>O<sub>4</sub>PS<sub>2</sub> **MW** 294.33  
**PS** S **SOL** D, T **SG** 1.32 g/cm<sup>3</sup> **MP** 69-71 °C  
**BP** 397-398 °C **FP** 194 °C

Matrix	Cat. No.	Unit
Neat	P-1052N	10 mg
100 µg/mL in CH <sub>2</sub> Cl <sub>2</sub>	P-1052S-D	1 mL



# Supplement to Pesticide Guide (86 New Pesticides)

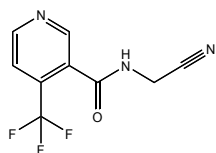
## Fentin hydroxide



CAS 76-87-9 MF C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Sn MW 367.03  
PS S SOL A, MeOH SG 1.54 g/cm<sup>3</sup> MP 123 °C  
FP 174 °C

Matrix	Cat. No.	Unit
Neat	P-1042N	10 mg
100 µg/mL in AcCN	P-1042S-CN	1 mL

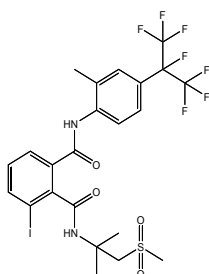
## Flonicamid



CAS 158062-67-0 MF C<sub>9</sub>H<sub>6</sub>F<sub>3</sub>N<sub>3</sub>O MW 229.16  
PS S SOL A, EA, D SG 1.54 g/cm<sup>3</sup> MP 157-158 °C  
BP Decomposes ~313 °C FP >200 °C

Matrix	Cat. No.	Unit
Neat	P-926N	10 mg
100 µg/mL in MeOH	P-926S	1 mL

## Flubendiamide



CAS 272451-65-7 MF C<sub>23</sub>H<sub>22</sub>F<sub>7</sub>IN<sub>2</sub>O<sub>4</sub>S MW 682.39  
PS S SG 1.66 g/cm<sup>3</sup> MP 217-218 °C  
BP 578-579 °C FP 304 °C

Matrix	Cat. No.	Unit
Neat	P-1025N	10 mg
100 µg/mL in AcCN	P-1025S-CN	1 mL

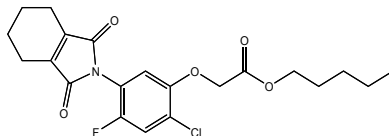
### Property Key

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

### Solubility Key (SOL)

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

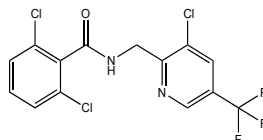
## Flumiclorac-pentyl



CAS 87546-18-7 MF C<sub>21</sub>H<sub>23</sub>ClFNO<sub>5</sub> MW 423.86  
PS S SOL MeOH, H, A SG 1.33 g/cm<sup>3</sup> MP 89 °C  
FP 68 °C

Matrix	Cat. No.	Unit
Neat	P-993N	10 mg
100 µg/mL in MeOH	P-993S	1 mL

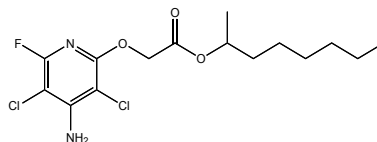
## Fluopicolide



CAS 239110-15-7 MF C<sub>14</sub>H<sub>9</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>2</sub>O MW 383.58  
PS S SOL A, H, T SG 1.65 g/cm<sup>3</sup> MP 150 °C  
BP Decomp. ~320 °C FP °C

Matrix	Cat. No.	Unit
Neat	P-1024N	10 mg
100 µg/mL in Acetone	P-1024S-A	1 mL

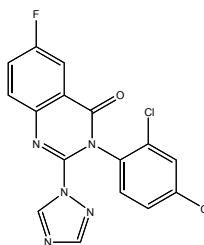
## Fluroxypyr-1-methylheptyl ester



CAS 81406-37-3 MF C<sub>15</sub>H<sub>21</sub>Cl<sub>2</sub>FN<sub>2</sub>O<sub>3</sub> MW 367.24  
PS S SOL H, MeOH, T, EA SG 1.32 g/cm<sup>3</sup>  
MP 59 °C BP Decomposes ~360 °C FP >200 °C

Matrix	Cat. No.	Unit
Neat	P-927N	10 mg
100 µg/mL in MeOH	P-927S	1 mL

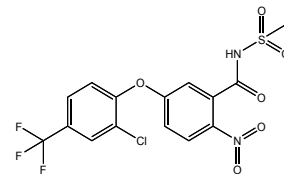
## Fluquinconazole



CAS 136426-54-5 MF C<sub>16</sub>H<sub>8</sub>Cl<sub>2</sub>FN<sub>5</sub>O MW 376.17  
PS S SOL EA, CN, A SG 1.63 g/cm<sup>3</sup> MP 192 °C  
BP 620 °C FP 331 °C

Matrix	Cat. No.	Unit
Neat	P-878N	10 mg
100 µg/mL in AcCN	P-878S-CN	1 mL

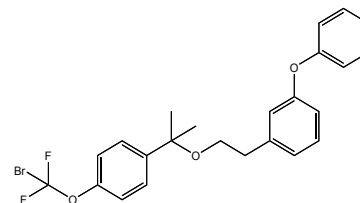
## Fomesafen



CAS 72178-02-0 MF C<sub>15</sub>H<sub>10</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>6</sub>S MW 438.76  
PS S SOL A, MeOH SG 1.61 g/cm<sup>3</sup> MP 219 °C

Matrix	Cat. No.	Unit
Neat	P-907N	10 mg
100 µg/mL in MeOH	P-907S	1 mL

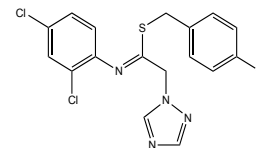
## Halfenprox



CAS 111872-58-3 MF C<sub>24</sub>H<sub>23</sub>BrF<sub>3</sub>O<sub>3</sub> MW 477.34  
PS L SOL A, H SG 1.32 g/cm<sup>3</sup>  
BP Decomposes ~291 °C FP 272 °C

Matrix	Cat. No.	Unit
10 µg/mL in MeOH	P-1050S-0.1X	1 mL

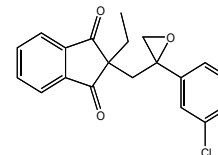
## Imibenconazole



CAS 86598-92-7 MF C<sub>17</sub>H<sub>13</sub>Cl<sub>2</sub>N<sub>4</sub>S MW 411.74  
PS S SOL A, MeOH SG 1.42 g/cm<sup>3</sup> MP 89-90 °C  
BP 567-568 °C FP 297 °C

Matrix	Cat. No.	Unit
50 µg/mL in AcCN	P-1019S-CN-0.5X	1 mL

## Indanofan

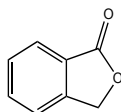


CAS 133220-30-1 MF C<sub>20</sub>H<sub>17</sub>ClO<sub>3</sub> MW 340.80  
PS S SOL H, MeOH, A, EA SG 1.24 g/cm<sup>3</sup>  
MP 60-61 °C

Matrix	Cat. No.	Unit
Neat	P-988N	10 mg
100 µg/mL in MeOH	P-988S	1 mL



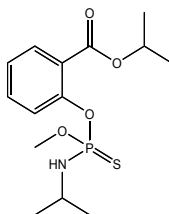
## Isobenzofuranone



**CAS** 87-41-2 **MF** C<sub>8</sub>H<sub>6</sub>O **MW** 134.13  
**PS S SOL** MeOH **SG** 1.26 g/cm<sup>3</sup> **MP** 72-74 °C  
**BP** 289-291 °C **FP** 152 °C

Matrix	Cat. No.	Unit
Neat	P-1022N	10 mg
100 µg/mL in MeOH	P-1022S	1 mL

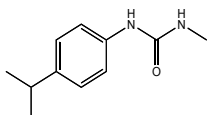
## Isofenphos-methyl



**CAS** 99675-03-3 **MF** C<sub>14</sub>H<sub>22</sub>NO<sub>4</sub>PS **MW** 331.37  
**PS L**

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-984S	1 mL

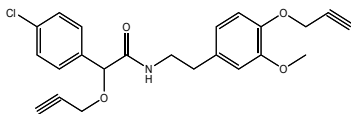
## 1-(4-Isopropylphenyl)-3-methylurea



**CAS** 34123-57-4 **MF** C<sub>11</sub>H<sub>16</sub>N<sub>2</sub>O **MW** 192.26  
**PS S SG** 1.06 g/cm<sup>3</sup> **MP** 105-106 °C  
**BP** 272-273 °C **FP** 100 °C

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1040S	1 mL

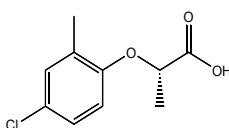
## Mandipropamid



**CAS** 374726-62-2 **MF** C<sub>23</sub>H<sub>22</sub>ClNO<sub>4</sub> **MW** 411.88  
**PS S SOL** A, EA, T, D **SG** 1.21 g/cm<sup>3</sup> **MP** 97 °C  
**BP** Decomposes ~200 °C **FP** >200 °C

Matrix	Cat. No.	Unit
Neat	P-1023N	10 mg
100 µg/mL in AcCN	P-1023S-CN	1 mL

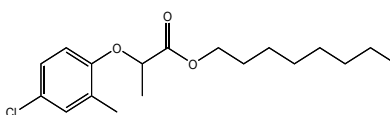
## Mecoprop-p



**CAS** 16484-77-8 **MF** C<sub>10</sub>H<sub>11</sub>ClO<sub>3</sub> **MW** 214.65  
**PS S SOL** A, EA, MeOH **SG** 1.31 g/cm<sup>3</sup>  
**MP** 95-96 °C

Matrix	Cat. No.	Unit
Neat	P-1053N	10 mg
100 µg/mL in Acetone	P-1053S-A	1 mL

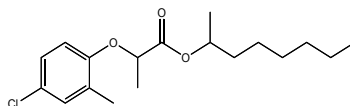
## Mecoprop-1-octyl ester



**CAS** 161922-37-8 **MF** C<sub>18</sub>H<sub>27</sub>ClO<sub>3</sub> **MW** 326.86  
**PS L**

Matrix	Cat. No.	Unit
Neat	P-1028N	10 mg
100 µg/mL in AcCN	P-1028S-CN	1 mL

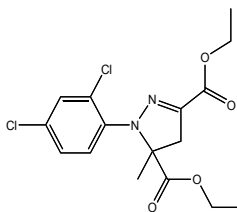
## Mecoprop-2-octyl ester



**CAS** 28473-03-2 **MF** C<sub>19</sub>H<sub>27</sub>ClO<sub>3</sub> **MW** 326.86  
**PS L SG** 1.05 g/cm<sup>3</sup> **BP** 397-398 °C **FP** 130 °C

Matrix	Cat. No.	Unit
Neat	P-1029N	10 mg
100 µg/mL in AcCN	P-1029S-CN	1 mL

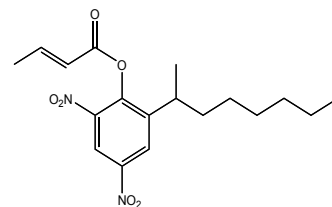
## Mefenpyr-diethyl



**CAS** 135590-91-9 **MF** C<sub>16</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>4</sub> **MW** 373.23  
**PS S SOL** A, T, MeOH, EA **SG** 1.31 g/cm<sup>3</sup>  
**MP** 51 °C **BP** 451 °C **FP** 227 °C

Matrix	Cat. No.	Unit
Neat	P-1010N	10 mg
100 µg/mL in MeOH	P-1010S	1 mL

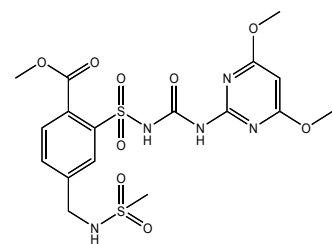
## Meptyldinocap



**CAS** 131-72-6 **MF** C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>O<sub>6</sub> **MW** 364.39  
**PS L SOL** A, EA **SG** 1.11 g/cm<sup>3</sup> **MP** -22 °C  
**BP** Decomposes ~200 °C **FP** 30 °C

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1043S	1 mL

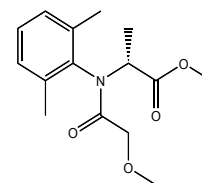
## Mesosulfuron-methyl



**CAS** 208465-21-8 **MF** C<sub>17</sub>H<sub>21</sub>N<sub>5</sub>O<sub>9</sub>S<sub>2</sub> **MW** 503.51  
**PS S SOL** A, EA, H, T **SG** 1.48 g/cm<sup>3</sup>  
**MP** 195-196 °C **BP** Decomposes

Matrix	Cat. No.	Unit
Neat	P-1044N	10 mg
100 µg/mL in MeOH	P-1044S	1 mL

## Metalaxyl-M

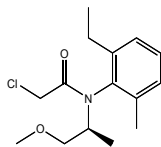


**CAS** 70630-17-0 **MF** C<sub>15</sub>H<sub>21</sub>NO<sub>4</sub> **MW** 279.33  
**PS L SOL** H, A, T, MeOH **SG** 1.13 g/cm<sup>3</sup>  
**MP** -38.7 °C **BP** Decomposes **FP** 179 °C

Matrix	Cat. No.	Unit
Neat	P-874N	10 mg
100 µg/mL in MeOH	P-874S	1 mL



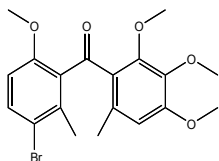
## S-Metolachlor



**CAS** 87392-12-9 **MF** C<sub>15</sub>H<sub>22</sub>ClNO<sub>2</sub> **MW** 283.79  
**PS L SOL** A, MeOH, T, H **SG** 1.12 g/cm<sup>3</sup> **MP** -61 °C  
**BP** 334 °C

Matrix	Cat. No.	Unit
Neat	P-1013N	10 mg
100 µg/mL in MeOH	P-1013S	1 mL

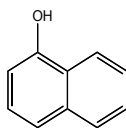
## Metrafenone



**CAS** 220899-03-6 **MF** C<sub>19</sub>H<sub>21</sub>BrO<sub>5</sub> **MW** 409.27  
**PS S SOL** A, D, EA, T **SG** 1.45 g/cm<sup>3</sup> **MP** 100 °C  
**BP** Decomp ~310 °C

Matrix	Cat. No.	Unit
Neat	P-1032N	10 mg
100 µg/mL in AcCN	P-1032S-CN	1 mL

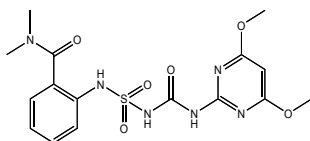
## 1-Naphthol



**CAS** 90-15-3 **MF** C<sub>10</sub>H<sub>8</sub>O **MW** 144.17 **PS S**  
**SG** 0.79 g/cm<sup>3</sup> **MP** 95-96 °C **BP** 278-280 °C  
**FP** 125 °C

Matrix	Cat. No.	Unit
Neat	P-1007N	10 mg
100 µg/mL in MeOH	P-1007S	1 mL

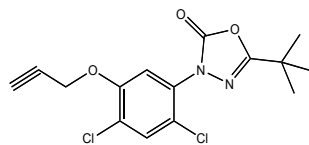
## Orthosulfamuron



**CAS** 213464-77-8 **MF** C<sub>16</sub>H<sub>20</sub>N<sub>6</sub>O<sub>6</sub>S **MW** 424.43  
**PS S SOL** A, EA, MeOH **SG** 1.48 g/cm<sup>3</sup>  
**MP** 157 °C **BP** Decomposes

Matrix	Cat. No.	Unit
100 µg/mL in Acetone	P-1045S-A	1 mL

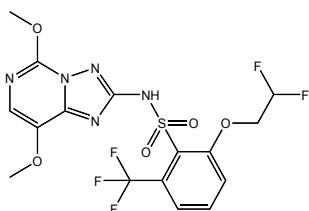
## Oxadiargyl



**CAS** 39807-15-3 **MF** C<sub>15</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>3</sub> **MW** 341.19  
**PS S SOL** A, EA, MeOH, T **SG** 1.41 g/cm<sup>3</sup>  
**MP** 131 °C **BP** Decomposes

Matrix	Cat. No.	Unit
Neat	P-1031N	10 mg
100 µg/mL in AcCN	P-1031S-CN	1 mL

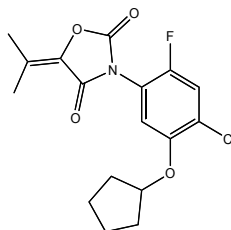
## Penoxsulam



**CAS** 219714-96-2 **MF** C<sub>16</sub>H<sub>14</sub>F<sub>5</sub>N<sub>2</sub>O<sub>5</sub>S **MW** 483.37  
**PS S SOL** A, MeOH, CN **SG** 1.61 g/cm<sup>3</sup>  
**MP** 212 °C **BP** Decomposes ~214 °C

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-1046S	1 mL

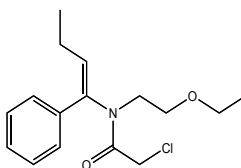
## Pentoxazone



**CAS** 110956-75-7 **MF** C<sub>17</sub>H<sub>17</sub>ClFNO<sub>4</sub> **MW** 353.77  
**PS S SOL** MeOH, H **SG** 1.42 g/cm<sup>3</sup> **MP** 104 °C  
**BP** 463-464 °C **FP** 234 °C

Matrix	Cat. No.	Unit
10 µg/mL in MeOH	P-1051S-0.1X	1 mL

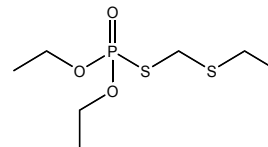
## Pethoxamid



**CAS** 106700-29-2 **MF** C<sub>16</sub>H<sub>22</sub>ClNO<sub>2</sub> **MW** 295.80  
**PS S SOL** EA, H, MeOH **SG** 1.19 g/cm<sup>3</sup>  
**MP** 37-38 °C **FP** 182 °C

Matrix	Cat. No.	Unit
Neat	P-1047N	10 mg
100 µg/mL in MeOH	P-1047S	1 mL

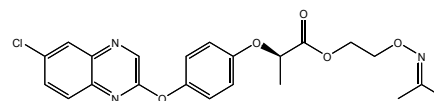
## Phorate-oxon



**CAS** 2600-69-3 **MF** C<sub>7</sub>H<sub>17</sub>O<sub>3</sub>PS<sub>2</sub> **MW** 244.31  
**PS L SG** 1.17 g/cm<sup>3</sup> **BP** 284-285 °C **FP** 126 °C

Matrix	Cat. No.	Unit
10 µg/mL in Toluene	P-1018S-T-0.1X	1 mL

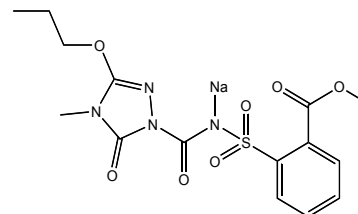
## Propaquizafop



**CAS** 111479-05-1 **MF** C<sub>22</sub>H<sub>22</sub>ClN<sub>3</sub>O<sub>5</sub> **MW** 443.88  
**PS S SOL** A, T, MeOH **SG** 0.96 g/cm<sup>3</sup>  
**MP** 66-67 °C **BP** Decomposes ~260 °C **FP** >200 °C

Matrix	Cat. No.	Unit
Neat	P-908N	10 mg
100 µg/mL in MeOH	P-908S	1 mL

## Propoxycarbazone-sodium



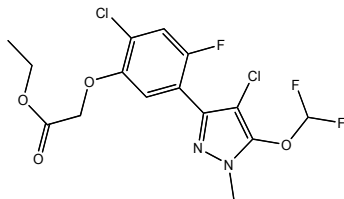
**CAS** 181274-15-7 **MF** C<sub>15</sub>H<sub>17</sub>N<sub>4</sub>NaO<sub>7</sub>S **MW** 420.37  
**PS S SOL** D, A **SG** 1.42 g/cm<sup>3</sup> **MP** 230 °C  
**BP** Decomposes

Matrix	Cat. No.	Unit
Neat	P-1014N	10 mg
50 µg/mL in Water	P-1014S-W-0.5X	1 mL

Property Key		Solubility Key (SOL)	
<b>CAS</b>	Chemical Abstract Service Number	<b>A</b>	Acetone
<b>MF</b>	Molecular Formula	<b>CN</b>	Acetonitrile (AcCN)
<b>MW</b>	Molecular Weight	<b>D</b>	Methylene chloride
<b>PS</b>	Physical State (Solid, Liquid)	<b>DMSO</b>	Dimethyl sulfoxide
<b>SOL</b>	Solubility	<b>EA</b>	Ethyl acetate
<b>SG</b>	Specific Gravity (g/cm <sup>3</sup> )	<b>H</b>	Hexane
<b>MP</b>	Melting Point (°C)	<b>IPA</b>	Isopropanol
<b>BP</b>	Boiling Point (°C)	<b>MeOH</b>	Methanol
<b>FP</b>	Flash Point (°C)	<b>MC</b>	Methyl cellosolve
		<b>T</b>	Toluene
		<b>TP</b>	Isooctane
		<b>W</b>	Water



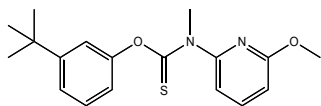
## Pyraflufen-ethyl



**CAS** 129630-19-9 **MF** C<sub>13</sub>H<sub>9</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub> **MW** 385.12  
**PS S SOL** A, MeOH **SG** 1.64 g/cm<sup>3</sup> **MP** 126-127 °C  
**FP** 237 °C

Matrix	Cat. No.	Unit
Neat	P-1015N	10 mg
100 µg/mL in Acetone	P-1015S-A	1 mL

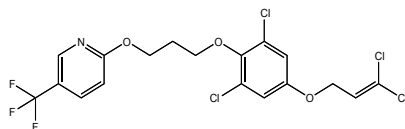
## Pyributicarb



**CAS** 88678-67-5 **MF** C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>O<sub>2</sub>S **MW** 330.45  
**PS S SG** 1.16 g/cm<sup>3</sup> **MP** 86 °C **BP** 427-428 °C  
**FP** >200 °C

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-987S	1 mL

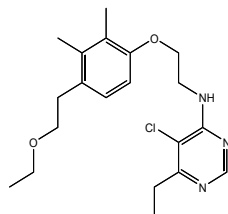
## Pyridalyl



**CAS** 179101-81-6 **MF** C<sub>18</sub>H<sub>14</sub>Cl<sub>4</sub>F<sub>3</sub>NO<sub>3</sub> **MW** 491.11  
**PS S SG** 1.45 g/cm<sup>3</sup> **MP** 192-193 °C  
**BP** 545-546 °C **FP** 284 °C

Matrix	Cat. No.	Unit
Neat	P-990N	10 mg
100 µg/mL in MeOH	P-990S	1 mL

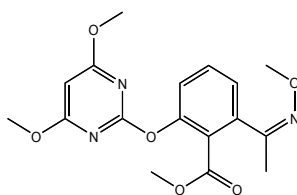
## Pyrimidifen



**CAS** 105779-78-0 **MF** C<sub>20</sub>H<sub>28</sub>ClN<sub>3</sub>O<sub>2</sub> **MW** 377.91  
**PS S SG** 1.15 g/cm<sup>3</sup> **MP** 70 °C **BP** 535-536 °C  
**FP** 278 °C

Matrix	Cat. No.	Unit
100 µg/mL in MeOH	P-989S	1 mL

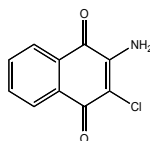
## (E)-Pyriminobac-methyl



**CAS** 136191-64-5 **MF** C<sub>17</sub>H<sub>19</sub>N<sub>3</sub>O<sub>6</sub> **MW** 361.35  
**PS S SOL** A, EA, H, MeOH **SG** 1.33 g/cm<sup>3</sup>  
**MP** 105 °C **BP** 536-537 °C **FP** 280 °C

Matrix	Cat. No.	Unit
Neat	P-1030N-5MG	5 mg
50 µg/mL in MeOH	P-1030S-0.5X	1 mL

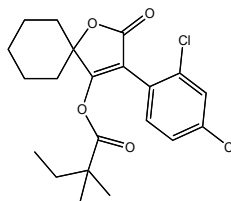
## Quinoclamine



**CAS** 2797-51-5 **MF** C<sub>10</sub>H<sub>6</sub>ClNO<sub>2</sub> **MW** 207.61  
**PS S SOL** EA, MeOH **SG** 1.55 g/cm<sup>3</sup> **MP** 201 °C  
**BP** 348 °C **FP** >200 °C

Matrix	Cat. No.	Unit
Neat	P-985N	10 mg
100 µg/mL in MeOH	P-985S	1 mL

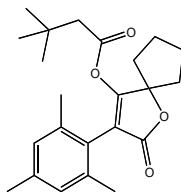
## Spirodiclofen



**CAS** 148477-71-8 **MF** C<sub>21</sub>H<sub>24</sub>Cl<sub>2</sub>O<sub>4</sub> **MW** 411.32  
**PS S SOL** D, EA **SG** 1.29 g/cm<sup>3</sup> **MP** 94-95 °C  
**BP** Decomposes **FP** >200 °C

Matrix	Cat. No.	Unit
Neat	P-938N	10 mg
100 µg/mL in MeOH	P-938S	1 mL

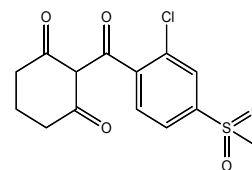
## Spiromesifen



**CAS** 283594-90-1 **MF** C<sub>23</sub>H<sub>30</sub>O<sub>4</sub> **MW** 370.48  
**PS S SOL** A, EA **SG** 1.13 g/cm<sup>3</sup> **MP** 98 °C  
**BP** Decomp -375 °C **FP** >200 °C

Matrix	Cat. No.	Unit
100 µg/mL in AcCN	P-960S-CN	1 mL

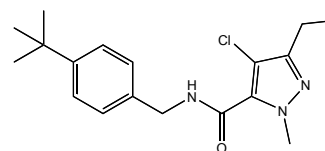
## Sulcotrione



**CAS** 99105-77-8 **MF** C<sub>14</sub>H<sub>13</sub>ClO<sub>5</sub>S **MW** 328.77  
**PS S SOL** D, A **MP** 139 °C **BP** Decomposes

Matrix	Cat. No.	Unit
Neat	P-951N	10 mg
100 µg/mL in MeOH	P-951S	1 mL

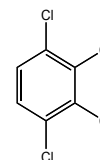
## Tebufenpyrad



**CAS** 119168-77-3 **MF** C<sub>18</sub>H<sub>24</sub>ClN<sub>3</sub>O **MW** 333.86  
**PS S SOL** D, H, MeOH, A **SG** 1.17 g/cm<sup>3</sup>  
**MP** 65 °C **BP** Decomposes -250 °C **FP** >200 °C

Matrix	Cat. No.	Unit
Neat	P-877N	10 mg
100 µg/mL in MeOH	P-877S	1 mL

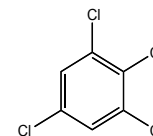
## 1,2,3,4-Tetrachlorobenzene



**CAS** 634-66-2 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub> **MW** 215.89 **PS S**  
**SG** 1.57 g/cm<sup>3</sup> **MP** 44 °C **BP** 252 °C **FP** 112 °C

Matrix	Cat. No.	Unit
Neat	P-999N	10 mg
100 µg/mL in MeOH	P-999S	1 mL

## 1,2,3,5-Tetrachlorobenzene

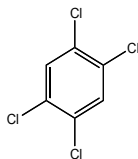


**CAS** 634-90-2 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub> **MW** 215.89 **PS S**  
**SG** 1.57 g/cm<sup>3</sup> **MP** 54-55 °C **BP** 246 °C **FP** 110 °C

Matrix	Cat. No.	Unit
Neat	P-1001N	10 mg
100 µg/mL in Isooctane	P-1001S-TP	1 mL



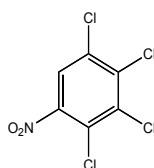
## 1,2,4,5-Tetrachlorobenzene



**CAS** 95-94-3 **MF** C<sub>6</sub>H<sub>2</sub>Cl<sub>4</sub> **MW** 215.89 **PS** S  
**SOL** T **SG** 1.86 g/cm<sup>3</sup> **MP** 139-142 °C  
**BP** 240-246 °C **FP** >109 °C

Matrix	Cat. No.	Unit
Neat	P-1003N	10 mg
100 µg/mL in MeOH	P-1003S	1 mL

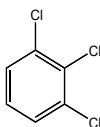
## 1,2,3,4-Tetrachloro-5-nitrobenzene



**CAS** 879-39-0 **MF** C<sub>6</sub>HCl<sub>4</sub>NO<sub>2</sub> **MW** 260.89 **PS** S  
**SG** 1.75 g/cm<sup>3</sup> **MP** 65 °C **BP** 315 °C

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

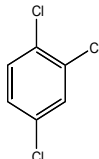
## 1,2,3-Trichlorobenzene



**CAS** 87-61-6 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub> **MW** 181.45 **PS** S  
**SG** 1.69 g/cm<sup>3</sup> **MP** 50-54 °C **BP** 218-219 °C  
**FP** 126 °C

Matrix	Cat. No.	Unit
Neat	P-1002N	10 mg
100 µg/mL in Isooctane	P-1002S-TP	1 mL

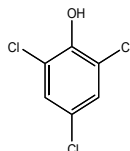
## 1,2,4-Trichlorobenzene



**CAS** 120-82-1 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub> **MW** 181.45 **PS** L  
**SG** 1.45 g/cm<sup>3</sup> **MP** 16 °C **BP** 214 °C **FP** 110 °C

Matrix	Cat. No.	Unit
Neat	P-1004N	10 mg
100 µg/mL in MeOH	P-1004S	1 mL

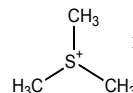
## 2,4,6-Trichlorophenol



**CAS** 88-06-2 **MF** C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub>O **MW** 197.45 **PS** S  
**SG** 1.49 g/cm<sup>3</sup> **MP** 65 °C **BP** 246 °C **FP** 99 °C

Matrix	Cat. No.	Unit
Neat	P-1006N	10 mg
100 µg/mL in MeOH	P-1006S	1 mL

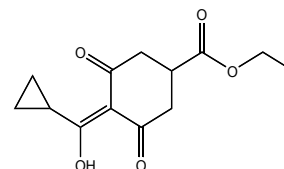
## Trimethylsulfonium iodide



**CAS** 2181-42-2 **MF** C<sub>3</sub>H<sub>9</sub>S<sup>+</sup>I<sup>-</sup> **MW** 204.07  
**PS** S **MP** 215-220 °C

Matrix	Cat. No.	Unit
Neat	P-1016N	10 mg
100 µg/mL in MeOH	P-1016S	1 mL

## Trinexapac-ethyl



**CAS** 95266-40-3 **MF** C<sub>13</sub>H<sub>16</sub>O<sub>5</sub> **MW** 252.26  
**SOL** A, H, MeOH **PS** S **SG** 1.31 g/cm<sup>3</sup>  
**MP** 32-36 °C **BP** 270 °C **FP** >200 °C

Matrix	Cat. No.	Unit
Neat	P-1034N	10 mg
100 µg/mL in MeOH	P-1034S	1 mL

### Property Key

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

### Solubility Key (SOL)

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