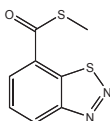


Supplement to Pesticide Guide (40 New Pesticides)



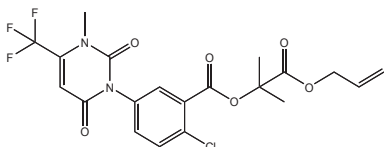
Acibenzolar-S-methyl



CAS 135158-54-2 **MF** C₈H₆N₂OS₂ **MW** 210.28
PS S **SOL** A, T, H, M **SG** 1.54 g/cm³ **MP** 133 °C
BP 267 °C

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

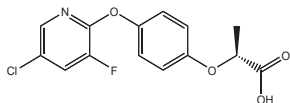
Butafenacil



CAS 134605-64-4 **MF** C₂₀H₁₈ClF₃N₂O₆ **MW** 474.81
PS S **SG** 1.41 g/cm³ **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

Clodinafop

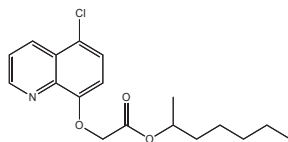


CAS 114420-56-3 **MF** C₁₄H₁₁ClFNO₄ **MW** 311.69
PS S **SG** 1.41 g/cm³ **MP** 172-173 °C
BP Decomposes @ 410 °C **FP** 202 °C

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

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

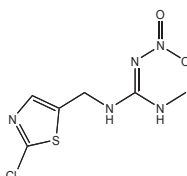
Cloquintocet-mexyl



CAS 99607-70-2 **MF** C₁₈H₂₂ClNO₃ **MW** 335.82
PS S **SOL** A, H, M, T **SG** 1.05 g/cm³ **MP** 69-70 °C

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

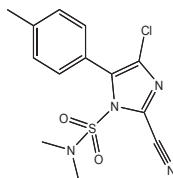
Clothianidin



CAS 210880-92-5 **MF** C₆H₆ClN₅O₂S **MW** 249.68
PS S **SOL** A, AE **SG** 1.68 g/cm³ **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

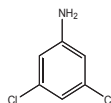
Cyazofamid



CAS 120116-88-3 **MF** C₁₃H₁₃ClN₄O₂S **MW** 324.79
PS S **SOL** A, T **SG** 1.45 g/cm³ **MP** 152-153 °C

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

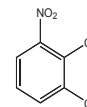
3,5-Dichloroaniline



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

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

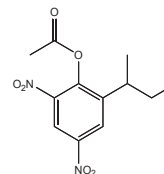
2,3-Dichloronitrobenzene



CAS 3209-22-1 **MF** C₆H₃Cl₂NO₂ **MW** 192.00 **PS S**
SG 1.45 g/cm³ **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

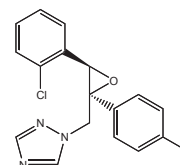
Dinoseb acetate



CAS 2813-95-8 **MF** C₁₂H₁₄N₂O₆ **MW** 282.25
PS S **SG** 1.30 g/cm³ **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

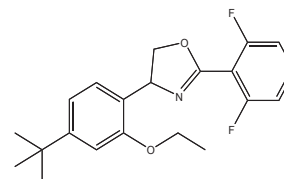
Epoxiconazole



CAS 135319-73-2 **MF** C₁₇H₁₃ClFN₃O **MW** 329.76
PS S **SOL** EA, A, T **SG** 1.38 g/cm³ **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



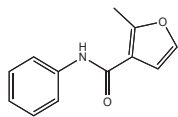
CAS 153233-91-1 **MF** C₂₁H₂₃F₂NO₂ **MW** 359.41
PS S **SOL** EA, A, M **SG** 1.24 g/cm³ **MP** 102 °C
FP 457 °C

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



Supplement to Pesticide Guide (40 New Pesticides)

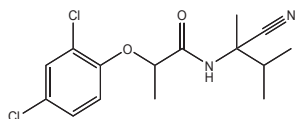
Fenfuram



CAS 24691-80-3 MF C₁₂H₁₁NO₂ MW 201.22
PS S SOL A, M MP 109-110 °C

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

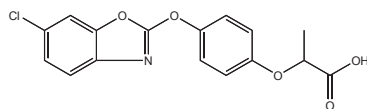
Fenoxanil



CAS 115852-48-7 MF C₁₅H₁₈Cl₂N₂O₂ MW 329.22
PS S SOL M SG 1.22 g/cm³ MP 71 °C
BP 420 °C (Decomposes) 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 C₁₆H₁₂ClNO₅ MW 333.72
PS S SG 1.42 g/cm³ 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

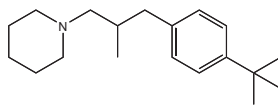
Property Key

CAS Chemical Abstract Service Number
MF Molecular Formula
MW Molecular Weight
PS Physical State (Solid, Liquid)
SOL Solubility
SG Specific Gravity (g/cm³)
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

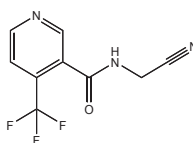
Fenpropidin



CAS 67306-00-7 MF C₁₉H₃₁N MW 273.46
PS L SOL A, EA 0.91 g/cm³ MP -65 °C
BP Decomposes ~243 °C FP 156 °C

Matrix	Cat. No.	Unit
Neat	P-1011N	10 mg
100 µg/mL in MeOH	P-1011S	1 mL

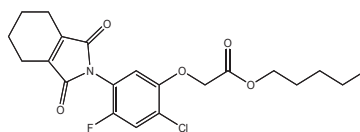
Fonicamid



CAS 158062-67-0 MF C₉H₆F₃N₂O MW 229.16
PS S SOL M, EA, D SG 1.54 g/cm³ 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

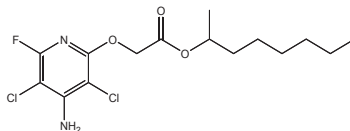
Flumiclorac-pentyl



CAS 87546-18-7 MF C₂₁H₂₃ClFNO₅ MW 423.86
PS S SOL M, H, A SG 1.33 g/cm³ MP 89 °C
FP 68 °C

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

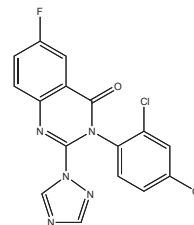
Fluroxypyr-1-methylheptyl ester



CAS 81406-37-3 MF C₁₈H₂₁Cl₂FN₂O₃ MW 367.24
PS S SOL H, M, T, EA SG 1.32 g/cm³ 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

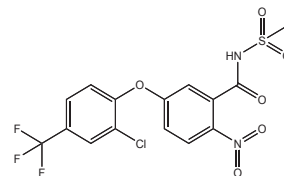
Fluquinconazole



CAS 136426-54-5 MF C₁₆H₆Cl₂FN₂O MW 376.17
PS S SOL EA, CN, A SG 1.63 g/cm³ 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

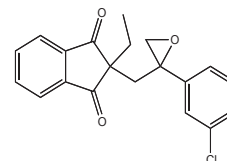
Fomesafen



CAS 72178-02-0 MF C₁₅H₁₀ClF₃N₂O₃S MW 438.76
PS S SOL A, M SG 1.61 g/cm³ MP 219 °C

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

Indanofan



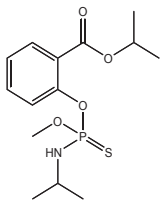
CAS 133220-30-1 MF C₂₀H₁₇ClO₃ MW 340.80
PS S SOL H, M, A, EA SG 1.24 g/cm³ MP 60-61 °C

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

Supplement to Pesticide Guide (40 New Pesticides)



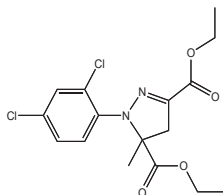
Isofenphos-methyl



CAS 99675-03-3 MF C₁₄H₂₂NO₄PS MW 331.37
PS L

Matrix	Cat. No.	Unit
Neat	P-984N	10 mg
100 µg/mL in MeOH	P-984S	1 mL

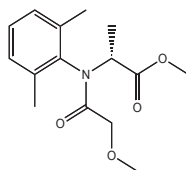
Mefenpyr-diethyl



CAS 135590-91-9 MF C₁₆H₁₈Cl₂N₂O₄ MW 373.23
PS S SOL A, T, M, EA SG 1.31 g/cm³ 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

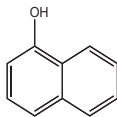
Metalaxyl-M



CAS 70630-17-0 MF C₁₅H₂₁NO₄ MW 279.33
PS L SOL H, A, T, M SG 1.13 g/cm³ 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

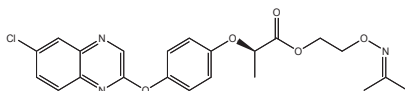
1-Naphthol



CAS 90-15-3 MF C₁₀H₈O MW 144.17 PS S
SG 0.79 g/cm³ 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

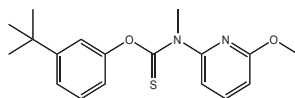
Propaquizafop



CAS 111479-05-1 MF C₂₂H₂₂ClN₃O₅ MW 443.88
PS S SOL A, T, M SG 0.96 g/cm³ 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

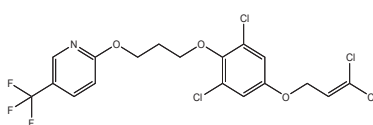
Pyributicarb



CAS 88678-67-5 MF C₁₈H₂₂N₂O₂S MW 330.45
PS S SG 1.16 g/cm³ MP 86 °C BP 427-428 °C
FP >200 °C

Matrix	Cat. No.	Unit
Neat	P-987N	10 mg
100 µg/mL in MeOH	P-987S	1 mL

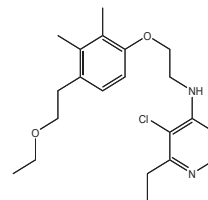
Pyridalyl



CAS 179101-81-6 MF C₁₈H₁₄Cl₄F₃NO₃ MW 491.11
PS S SG 1.45 g/cm³ 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

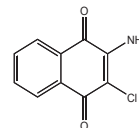
Pyriidifen



CAS 105779-78-0 MF C₂₀H₂₈ClN₃O₂ MW 377.91
PS S SG 1.15 g/cm³ MP 70 °C BP 535-536 °C
FP 278 °C

Matrix	Cat. No.	Unit
Neat	P-989N	10 mg
100 µg/mL in MeOH	P-989S	1 mL

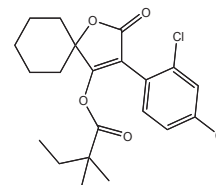
Quinoclamine



CAS 2797-51-5 MF C₁₀H₈ClNO₂ MW 207.61
PS S SOL EA, M SG 1.55 g/cm³ 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

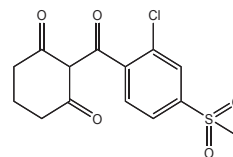
Spirodiclofen



CAS 148477-71-8 MF C₂₁H₂₄Cl₂O₄ MW 411.32
PS S SOL D, EA SG 1.29 g/cm³ 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

Sulcontrione



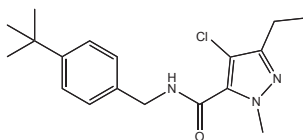
CAS 99105-77-8 MF C₁₄H₁₃ClO₅S MW 328.77
PS S SOL D, A MP 139 °C BP Decomposes

Matrix	Cat. No.	Unit
Neat	P-941N	10 mg
100 µg/mL in MeOH	P-941S	1 mL



Supplement to Pesticide Guide (40 New Pesticides)

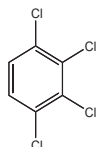
Tebufenpyrad



CAS 119168-77-3 **MF** C₁₈H₂₄ClN₂O **MW** 333.86
PS S **SOL** D, H, M, A **SG** 1.17 g/cm³ **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

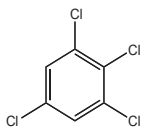
1,2,3,4-Tetrachlorobenzene



CAS 634-66-2 **MF** C₆H₂Cl₄ **MW** 215.89 **PS** S
SG 1.57 g/cm³ **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

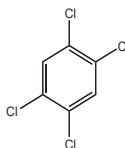
1,2,3,5-Tetrachlorobenzene



CAS 634-90-2 **MF** C₆H₂Cl₄ **MW** 215.89 **PS** S
SG 1.57 g/cm³ **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

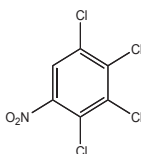
1,2,4,5-Tetrachlorobenzene



CAS 95-94-3 **MF** C₆H₂Cl₄ **MW** 215.89 **PS** S
SOL B, C **SG** 1.86 g/cm³ **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

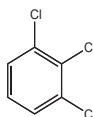
1,2,3,4-Tetrachloro-5-nitrobenzene



CAS 879-39-0 **MF** C₆HCl₄NO₂ **MW** 260.89 **PS** S
SG 1.75 g/cm³ **MP** 65 °C **BP** 315 °C

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

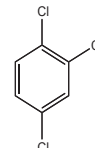
1,2,3-Trichlorobenzene



CAS 87-61-6 **MF** C₆H₃Cl₃ **MW** 181.45 **PS** S
SG 1.69 g/cm³ **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

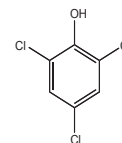
1,2,4-Trichlorobenzene



CAS 120-82-1 **MF** C₆H₃Cl₃ **MW** 181.45 **PS** L
SG 1.45 g/cm³ **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** C₆H₃Cl₃O **MW** 197.45 **PS** S
SG 1.49 g/cm³ **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

Property Key

CAS Chemical Abstract Service Number
MF Molecular Formula
MW Molecular Weight
PS Physical State (Solid, Liquid)
SOL Solubility
SG Specific Gravity (g/cm³)
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