

Pirimiphos ethyl

Other names:	Phosphorothioic acid, O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-diethyl ester Fernex Primicid PP 211 R 42211 Phosphorothioic acid, O,O-diethyl O-(2-(diethylamino)-6-methyl-4-pyrimidinyl) ester O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)O,O-diethyl phosphorothioate 2-Diethylamino-6-methylpyrimidin-4-yl diethylphosphorothionate O,O-Diethyl O-(2-diethylamino-6-methyl-4-pyrimidinyl)phosphorothioate Ethyl pirimiphos Pirimifosethyl Primotec Solgard
Inchi:	InChI=1S/C13H24N3O3PS/c1-6-16(7-2)13-14-11(5)10-12(15-13)19-20(21,17-8-3)18-9-4
InchiKey:	TZBPRYIIJAJUOY-UHFFFAOYSA-N
Formula:	C13H24N3O3PS
SMILES:	CCOP(=S)(OCC)Oc1cc(C)nc(N(CC)CC)n1
Mol. weight [g/mol]:	333.39
CAS:	23505-41-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.03		Crippen Method
logp	3.308		Crippen Method
mcvol	254.630	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C23505411&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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