

Pirimiphos methyl

Other names:	Phosphorothioic acid, O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl ester Actellic ENT 27699Gc Methylpirimiphos Methylpyrimiphos Pirimiphos Me Plant Protection PP511 Pyridimine phosphate PP 511 Pyrimiphos-methyl Actelic Actellifog Blex 2-Diethylamino-6-methylpyrimidin-4-yl dimethyl phosphorothionate O-(2-(Diethylamino)-6-methyl-4-pyrimidinyl)O,O-dimethyl phosphorothioate O-(2-Diethylamino-6-methylpyrimidin-4-yl) O,O-dimethyl phosphorothioate OMS 1424 Pirimifosmethyl Silosan Sybol 2 O-[2-(Diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl thiophosphate
Inchi:	InChI=1S/C11H20N3O3PS/c1-6-14(7-2)11-12-9(3)8-10(13-11)17-18(19,15-4)16-5/h8H,6
InchiKey:	QHOQHJPRIBSPCY-UHFFFAOYSA-N
Formula:	C11H20N3O3PS
SMILES:	CCN(CC)c1nc(C)cc(OP(=S)(OC)OC)n1
Mol. weight [g/mol]:	305.33
CAS:	29232-93-7

Physical Properties

Property code	Value	Unit	Source
log10ws	0.81		Crippen Method
logp	2.527		Crippen Method
mcvol	226.450	ml/mol	McGowan Method
rinpol	1911.00		NIST Webbook
rinpol	1914.00		NIST Webbook
rinpol	1919.00		NIST Webbook

rinpol	1938.00	NIST Webbook
rinpol	1942.00	NIST Webbook
rinpol	1909.00	NIST Webbook
rinpol	1897.00	NIST Webbook
rinpol	1922.00	NIST Webbook
rinpol	1910.00	NIST Webbook
rinpol	1940.00	NIST Webbook
rinpol	1941.00	NIST Webbook
rinpol	1906.00	NIST Webbook
rinpol	1919.00	NIST Webbook
rinpol	1938.00	NIST Webbook
rinpol	1940.00	NIST Webbook
rinpol	1915.00	NIST Webbook
rinpol	1915.00	NIST Webbook
ripol	2693.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.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=C29232937&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices
ripol:	Polar retention indices

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