Pirimphos 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]:	305.34

Physical Properties

Property code	Value	Unit	Source
logp	2.527		Crippen Method
mcvol	226.450	ml/mol	McGowan Method
rinpol	1915.00		NIST Webbook
rinpol	1941.00		NIST Webbook
rinpol	1938.00		NIST Webbook
rinpol	1942.00		NIST Webbook
rinpol	1909.00		NIST Webbook
rinpol	1897.00		NIST Webbook

rinpol	1911.00	NIST Webbook
rinpol	1910.00	NIST Webbook
rinpol	1940.00	NIST Webbook
rinpol	1919.00	NIST Webbook
rinpol	1906.00	NIST Webbook
rinpol	1919.00	NIST Webbook
rinpol	1938.00	NIST Webbook
rinpol	1915.00	NIST Webbook
rinpol	1922.00	NIST Webbook
rinpol	1914.00	NIST Webbook
ripol	2693.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C29232937&Units=SI

McGowan Method: http://link.springer.com/article/10.1007/BF02311772

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

logp: Octanol/Water partition coefficient

mcvol: McGowan's characteristic volume

rinpol: Non-polar retention indices

ripol: Polar retention indices