Fenamiphos

Other names:	Phosphoramidic acid, (1-methylethyl)-, ethyl 3-methyl-4-(methylthio)phenyl ester Phosphoramidic acid, isopropyl-, ethyl 4-(methylthio)-m-tolyl ester m-Cresol, 4-(methylthio)-, ethyl isopropylphosphoramidate B 68138 Bayer 68138 BAY 68138 Ethyl 3-Methyl-4-(methylthio)phenyl (1-methylethyl)phosphoramidate Ethyl-4-(methylthio)-m-tolyl isopropylphosphoramidate Nemacur Nemacur P Phenamiphos Phosphoramidic acid, isopropyl-, 4-(methylthio)-m-tolyl ethyl ester O-Aethyl-O-(3-methyl-4-methylthiophenyl)-isopropylamido-phosphorsaeureester BAY SRA 3886 ENT 27572 Isopropylamino-O-ethyl-(4-methylmercapto-3-methylphenyl)phosphate 1-(Methylethyl)-ethyl 3-methyl-4-(methylthio)phenyl phosphoramidate NSC 195106 SRA 3886
Inchi:	InChI=1S/C13H22NO3PS/c1-6-16-18(15,14-10(2)3)17-12-7-8-13(19-5)11(4)9-12/h7-10H
InchiKey:	ZCJPOPBZHLUFHF-UHFFFAOYSA-N
Formula:	C13H22NO3PS
SMILES:	CCOP(=O)(NC(C)C)Oc1ccc(SC)c(C)c1
Mol. weight [g/mol]:	303.36
CAS:	22224-92-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.14		Crippen Method
logp	4.238		Crippen Method
mcvol	234.670	ml/mol	McGowan Method
rinpol	2154.00		NIST Webbook
rinpol	2152.00		NIST Webbook
rinpol	2154.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C22224926&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

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

Latest version available from:

https://www.chemeo.com/cid/83-197-2/Fenamiphos.pdf

Generated by Cheméo on 2024-10-12 03:31:10.515489184 +0000 UTC m=+3284733.152458434.

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.