

# Fenamiphos

<b>Other names:</b>	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
<b>Inchi:</b>	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
<b>InchiKey:</b>	ZCJPOPBZHLUFHF-UHFFFAOYSA-N
<b>Formula:</b>	C13H22NO3PS
<b>SMILES:</b>	CCOP(=O)(NC(C)C)Oc1ccc(SC)c(C)c1
<b>Mol. weight [g/mol]:</b>	303.36
<b>CAS:</b>	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

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C22224926&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C22224926&amp;Units=SI</a>

# Legend

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

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