

Phosphoric acid, dimethyl 3-methyl-4-(methylthio)phenyl ester

Other names:	Fenthion O-analog Bayoxon m-Cresol, 4-(methylthio)-, dimethyl phosphate Fenoxon Fenthion oxon Phosphoric acid, dimethyl 4-(methylthio)-m-tolyl ester BAY 35570 Bayer 35570 Dimethyl 3-methyl-4-(methylthio)phenyl phosphate Dimethyl 4-(methylthio)-m-tolyl phosphate ENT 25564 Fenthoxon
Inchi:	InChI=1S/C10H15O4PS/c1-8-7-9(5-6-10(8)16-4)14-15(11,12-2)13-3/h5-7H,1-4H3
InchiKey:	ZNRZGJAHNMGWQN-UHFFFAOYSA-N
Formula:	C10H15O4PS
SMILES:	<chem>COP(=O)(OC)Oc1ccc(SC)c(C)c1</chem>
Mol. weight [g/mol]:	262.26
CAS:	6552-12-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.67		Crippen Method
logp	3.497		Crippen Method
mcvol	188.290	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=C6552121&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

Latest version available from:

<https://www.cheméo.com/cid/119-229-6/Phosphoric-acid-dimethyl-3-methyl-4-methylthio-phenyl-ester.pdf>

Generated by Cheméo on 2024-04-29 06:18:28.34328642 +0000 UTC m=+16660757.263863735.

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