

Methacrifos

Other names:	2-Propenoic acid, 3-((dimethoxyphosphinothioyl)oxy)-2-methyl-, methyl ester, (E)-CGA 20168 Damfin 3-((Dimethoxyphosphinothioyl)oxy)-2-methyl-2-propenoic acid methyl ester, (E)-trans-Methacrifos Methyl (2E)-3-[(dimethoxyphosphorothioyl)oxy]-2-methyl-2-propenoate Methacriphos
Inchi:	InChI=1S/C7H13O5PS/c1-6(7(8)9-2)5-12-13(14,10-3)11-4/h5H,1-4H3/b6-5+
InchiKey:	NTAHCMPOMKHKEU-AATRIKPKSA-N
Formula:	C7H13O5PS
SMILES:	<chem>COC(=O)C(C)=COP(=S)(OC)OC</chem>
Mol. weight [g/mol]:	240.21
CAS:	62610-77-9

Physical Properties

Property code	Value	Unit	Source
log10ws	2.52		Crippen Method
logp	1.597		Crippen Method
mcvol	167.050	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=C62610779&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

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<https://www.chemeo.com/cid/61-475-7/Methacrifos.pdf>

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