

Ethoprophos

Other names:	Phosphorodithioic acid, O-ethyl S,S-dipropyl ester Ethoprop Mocap Mocap 10g o-Ethyl S,S-dipropyl phosphorodithioate Prophos Rovokil S,S-Dipropyl O-ethyl phosphorodithioate V-C 9-104 ENT 27,318 Jolt MOBIL V-C 9-104 V-C Chemical V-C 9-104 Virginia-carolina VC 9-104 O-Ethyl-S,S-dipropyl phosphorodithioate
Inchi:	InChI=1S/C8H19O2PS2/c1-4-7-12-11(9,10-6-3)13-8-5-2/h4-8H2,1-3H3
InchiKey:	VJYFKVYYMZPMAB-UHFFFAOYSA-N
Formula:	C8H19O2PS2
SMILES:	CCCSP(=O)(OCC)SCCC
Mol. weight [g/mol]:	242.34
CAS:	13194-48-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.29		Crippen Method
logp	4.417		Crippen Method
mcvol	188.480	ml/mol	McGowan Method
rinpol	1642.00		NIST Webbook
rinpol	1616.00		NIST Webbook
rinpol	1647.00		NIST Webbook
rinpol	1629.00		NIST Webbook
rinpol	1606.00		NIST Webbook
rinpol	1630.00		NIST Webbook
rinpol	1635.00		NIST Webbook
rinpol	1641.00		NIST Webbook
rinpol	1640.00		NIST Webbook
rinpol	1641.00		NIST Webbook

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C13194484&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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<https://www.chemeo.com/cid/20-894-7/Ethoprofos.pdf>

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