

Methyl dichlorophosphite

Other names:	Methyl phosphorodichloridite Dichloro methoxy phosphine Phosphorodichloridous acid, methyl ester Methoxy dichloro phosphine
Inchi:	InChI=1S/CH3Cl2OP/c1-4-5(2)3/h1H3
InchiKey:	HCSDJECSMANTCX-UHFFFAOYSA-N
Formula:	CH3Cl2OP
SMILES:	COP(Cl)Cl
Mol. weight [g/mol]:	132.91
CAS:	3279-26-3

Physical Properties

Property code	Value	Unit	Source
log10ws	1.54		Crippen Method
logp	2.337		Crippen Method
mcvol	75.760	ml/mol	McGowan Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C3279263&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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

Latest version available from:

<https://www.chemeo.com/cid/60-313-7/Methyl-dichlorophosphite.pdf>

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