

Phosphoramidic dichloride, methyl-

Other names:	Phosphoramidodichloridic acid, N-methyl-dichloro methyl amino phosphine oxide
Inchi:	InChI=1S/CH4Cl2NOP/c1-4-6(2,3)5/h1H3,(H,4,5)
InchiKey:	HQQVZXCLEXNRQB-UHFFFAOYSA-N
Formula:	CH4Cl2NOP
SMILES:	CNP(=O)(Cl)Cl
Mol. weight [g/mol]:	147.93
CAS:	36598-86-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.00		Crippen Method
logp	1.791		Crippen Method
mvol	85.740	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C36598864&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mvol:	McGowan's characteristic volume

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