

Phosphonic acid, (2-chloroethyl)-, diethyl ester

Other names:	Diethyl (2-chloroethyl)phosphonate Diethyl 2-chloroethanephosphonate (2-Chloroethyl)phosphonic acid diethyl ester
Inchi:	InChI=1S/C6H14ClO3P/c1-3-9-11(8,6-5-7)10-4-2/h3-6H2,1-2H3
InchiKey:	GMDLEOVIACJWTD-UHFFFAOYSA-N
Formula:	C6H14ClO3P
SMILES:	CCOP(=O)(CCCl)OCC
Mol. weight [g/mol]:	200.60
CAS:	10419-79-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.94		Crippen Method
logp	2.491		Crippen Method
mcvol	145.710	ml/mol	McGowan Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10419791&Units=SI

Legend

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

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