

Ethyl dichlorophosphate

Other names:	Phosphorodichloridic acid, ethyl ester Dichloroethoxyphosphine oxide Dichlorophosphoric acid, ethyl ester Ethyl phosphorodichloridate Ethylphosphoric acid dichloride Ethoxyphosphoryl dichloride Ethyl dichlorophosphinate Ethyl phosphoryl dichloride NSC 87531
Inchi:	InChI=1S/C2H5Cl2O2P/c1-2-6-7(3,4)5/h2H2,1H3
InchiKey:	YZBOZNXACBQJHI-UHFFFAOYSA-N
Formula:	C2H5Cl2O2P
SMILES:	CCOP(=O)(Cl)Cl
Mol. weight [g/mol]:	162.94
CAS:	1498-51-7

Physical Properties

Property code	Value	Unit	Source
ie	11.42	eV	NIST Webbook
ie	11.46	eV	NIST Webbook
log10ws	-3.32		Crippen Method
logp	2.609		Crippen Method
mcvol	95.720	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=C1498517&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

Latest version available from:

<https://www.cheméo.com/cid/27-126-2/Ethyl-dichlorophosphate.pdf>

Generated by Cheméo on 2025-12-06 01:20:29.828618992 +0000 UTC m=+4732227.358659662.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.