Phosphorochloridic acid, dipropyl ester

Other names:	Propyl phosphorochloridate
	(Chlorodipropoxy)phosphine oxide
	Di-n-propyl chlorophosphate
	Dipropyl chloridophosphate
	Dipropyl chlorophosphate
	Dipropyl phosphorochloridate
	Dipropyl phosphorochloride
	Dipropylphosphoryl chloride
	O,O-Dipropyl chlorophosphate
Inchi:	InChI=1S/C6H14ClO3P/c1-3-5-9-11(7,8)10-6-4-2/h3-6H2,1-2H3
InchiKey:	MGWMBNBSQQGLAW-UHFFFAOYSA-N
Formula:	C6H14ClO3P
SMILES:	CCCOP(=O)(Cl)OCCC
Mol. weight [g/mol]:	200.60
CAS:	2510-89-6

Physical Properties

Property code	Value	Unit	Source
ie	10.89	eV	NIST Webbook
log10ws	-3.93		Crippen Method
logp	3.187		Crippen Method
mcvol	145.710	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2510896&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

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