

# Phosphorochloridic acid, dipropyl ester

<b>Other names:</b>	Propyl phosphorochloridate (Chlorodipropoxy)phosphine oxide Di-n-propyl chlorophosphate Dipropyl chloridophosphate Dipropyl chlorophosphate Dipropyl phosphorochloridate Dipropyl phosphorochloride Dipropylphosphoryl chloride O,O-Dipropyl chlorophosphate
<b>Inchi:</b>	InChI=1S/C6H14ClO3P/c1-3-5-9-11(7,8)10-6-4-2/h3-6H2,1-2H3
<b>InchiKey:</b>	MGWMBNBSQQGLAW-UHFFFAOYSA-N
<b>Formula:</b>	C6H14ClO3P
<b>SMILES:</b>	CCCOP(=O)(Cl)OCCC
<b>Mol. weight [g/mol]:</b>	200.60
<b>CAS:</b>	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
mvol	145.710	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C2510896&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2510896&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>

# Legend

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

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