

# Dimethylvinphos

<b>Other names:</b>	(E)-Dimethylvinphos Phosphoric acid, 2-chloro-1-(2,4-dichlorophenyl)ethenyl dimethyl ester
<b>Inchi:</b>	InChI=1S/C10H10Cl3O4P/c1-15-18(14,16-2)17-10(6-11)8-4-3-7(12)5-9(8)13/h3-6H,1-2H
<b>InchiKey:</b>	QSGNQELHULIMSJ-UXBLZVDNSA-N
<b>Formula:</b>	C10H10Cl3O4P
<b>SMILES:</b>	<chem>COP(=O)(OC)OC(=CCl)c1ccc(Cl)cc1Cl</chem>
<b>Mol. weight [g/mol]:</b>	331.52
<b>CAS:</b>	2274-67-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.17		Crippen Method
logp	4.948		Crippen Method
mcvol	204.360	ml/mol	McGowan Method
rinpol	1940.00		NIST Webbook
rinpol	1959.00		NIST Webbook
rinpol	1950.00		NIST Webbook
rinpol	1959.00		NIST Webbook
rinpol	1950.00		NIST Webbook

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C2274671&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2274671&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

**mcvol:** McGowan's characteristic volume

**rinpol:** Non-polar retention indices

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