

# 2-Chlorophenyl dichlorophosphate

<b>Other names:</b>	(2-Chlorophenyl)phosphoric acid dichloride 2-Chlorophenyl phosphorodichloridate o-Chlorophenylphosphonyl dichloride Phosphorodichloridic acid, 2-chlorophenyl ester o-chlorophenyl dichlorophosphate
<b>Inchi:</b>	InChI=1S/C6H4Cl3O2P/c7-5-3-1-2-4-6(5)11-12(8,9)10/h1-4H
<b>InchiKey:</b>	VLDPXPPHXDGHEW-UHFFFAOYSA-N
<b>Formula:</b>	C6H4Cl3O2P
<b>SMILES:</b>	O=P(Cl)(Cl)Oc1ccccc1Cl
<b>Mol. weight [g/mol]:</b>	245.43
<b>CAS:</b>	15074-54-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.43		Crippen Method
logp	4.304		Crippen Method
mcvol	140.560	ml/mol	McGowan Method

## Sources

<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=C15074541&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15074541&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>

## Legend

<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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