

# 2-Chlorophenyl diphenyl phosphate

<b>Inchi:</b>	InChI=1S/C18H14ClO4P/c19-17-13-7-8-14-18(17)23-24(20,21-15-9-3-1-4-10-15)22-16-1
<b>InchiKey:</b>	NMPAICLYKOKXAP-UHFFFAOYSA-N
<b>Formula:</b>	C18H14ClO4P
<b>SMILES:</b>	O=P(Oc1ccccc1)(Oc1ccccc1)Oc1ccccc1Cl
<b>Mol. weight [g/mol]:</b>	360.73
<b>CAS:</b>	115-85-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.82		Crippen Method
logp	5.985		Crippen Method
mcvol	249.380	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C115855&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C115855&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>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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