

# 1,3,2-Benzodioxaphosphole, 2,2,2-trichloro-2,2-dihydro-

Other names:	2,2,2-Trichloro-1,3,2«lambda»
Inchi:	InChI=1S/C6H4Cl3O2P/c7-12(8,9)10-5-3-1-2-4-6(5)11-12/h1-4H
InchiKey:	PHDTZFM TDQJSSW-UHFFFAOYSA-N
Formula:	C6H4Cl3O2P
SMILES:	CIP1(Cl)(Cl)Oc2ccccc2O1
Mol. weight [g/mol]:	245.43
CAS:	2007-97-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.15		Crippen Method
logp	4.303		Crippen Method
mcvol	134.000	ml/mol	McGowan Method

## Sources

Crippen Method:	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
McGowan Method:	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
NIST Webbook:	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C2007978&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2007978&amp;Units=SI</a>
Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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