

# 3,4-Dichlorophenyl methyl methylamidophosphate

Inchi:	InChI=1S/C8H10Cl2NO3P/c1-11-15(12,13-2)14-6-3-4-7(9)8(10)5-6/h3-5H,1-2H3,(H,11,1
InchiKey:	XJQOMAMFENVKJL-UHFFFAOYSA-N
Formula:	C8H10Cl2NO3P
SMILES:	CNP(=O)(OC)Oc1ccc(Cl)c(Cl)c1
Mol. weight [g/mol]:	270.05
CAS:	109444-32-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.92		Crippen Method
logp	3.346		Crippen Method
mcvol	172.350	ml/mol	McGowan Method

## Sources

Crippen Method:	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
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=C109444328&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C109444328&amp;Units=SI</a>

## Legend

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

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