

# O-(3,4-dichlorophenyl) o-methyl amidothiophosphate

<b>Inchi:</b>	InChI=1S/C7H8Cl2NO2PS/c1-11-13(10,14)12-5-2-3-6(8)7(9)4-5/h2-4H,1H3,(H2,10,14)
<b>InchiKey:</b>	SXAVQPLJPNYSPD-UHFFFAOYSA-N
<b>Formula:</b>	C7H8Cl2NO2PS
<b>SMILES:</b>	COP(N)(=S)Oc1ccc(Cl)c(Cl)c1
<b>Mol. weight [g/mol]:</b>	272.09
<b>CAS:</b>	116401-95-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.26		Crippen Method
logp	3.202		Crippen Method
mcvol	168.740	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C116401957&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C116401957&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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