

# Phosphoramidochloridothioic acid, methyl-, O-methyl ester

<b>Other names:</b>	O-methyl methylamidochloridothiophosphate
<b>Inchi:</b>	InChI=1S/C2H7CINOPS/c1-4-6(3,7)5-2/h1-2H3,(H,4,7)
<b>InchiKey:</b>	YOXXQSCGQQLXCO-UHFFFAOYSA-N
<b>Formula:</b>	C2H7CINOPS
<b>SMILES:</b>	CNP(=S)(Cl)OC
<b>Mol. weight [g/mol]:</b>	159.57
<b>CAS:</b>	681-04-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.66		Crippen Method
logp	1.316		Crippen Method
mcvol	103.940	ml/mol	McGowan Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C681049&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C681049&amp;Units=SI</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

Latest version available from:

<https://www.chemeo.com/cid/18-301-7/Phosphoramidochloridothioic-acid-methyl-O-methyl-ester.pdf>

Generated by Cheméo on 2024-04-25 20:39:16.764630443 +0000 UTC m=+16366805.685207759.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.