

# O-(4-methoxyphenyl) o-methyl ethylamidothiophosphate

<b>Inchi:</b>	InChI=1S/C10H16NO3PS/c1-4-11-15(16,13-3)14-10-7-5-9(12-2)6-8-10/h5-8H,4H2,1-3H3
<b>InchiKey:</b>	PNVRCGXINVGNDR-UHFFFAOYSA-N
<b>Formula:</b>	C10H16NO3PS
<b>SMILES:</b>	CCNP(=S)(OC)Oc1ccc(OC)cc1
<b>Mol. weight [g/mol]:</b>	261.28
<b>CAS:</b>	109818-37-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.92		Crippen Method
logp	2.554		Crippen Method
mcvol	192.400	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C109818373&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C109818373&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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