

# Phosphonothioic acid, methyl-, o,o-diisopentyl ester

<b>Inchi:</b>	InChI=1S/C11H25O2PS/c1-10(2)6-8-12-14(5,15)13-9-7-11(3)4/h10-11H,6-9H2,1-5H3
<b>InchiKey:</b>	PVRVKPPBPIIWRC-UHFFFAOYSA-N
<b>Formula:</b>	C11H25O2PS
<b>SMILES:</b>	CC(C)CCOP(C)(=S)OCCC(C)C
<b>Mol. weight [g/mol]:</b>	252.35
<b>CAS:</b>	91964-74-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.62		Crippen Method
logp	4.051		Crippen Method
mcvol	214.400	ml/mol	McGowan Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C91964748&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C91964748&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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