

# 1,3-Propanediol, 2,2-dimethyl-, cyclic hydrogen phosphate

<b>Inchi:</b>	InChI=1S/C5H11O4P/c1-5(2)3-8-10(6,7)9-4-5/h3-4H2,1-2H3,(H,6,7)
<b>InchiKey:</b>	ODCNAKMVBMFRKD-UHFFFAOYSA-N
<b>Formula:</b>	C5H11O4P
<b>SMILES:</b>	CC1(C)COP(=O)(O)OC1
<b>Mol. weight [g/mol]:</b>	166.11
<b>CAS:</b>	873-99-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.27		Crippen Method
logp	1.160		Crippen Method
mcvol	114.390	ml/mol	McGowan Method

## Sources

<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=C873994&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C873994&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>

## 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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