

# Propyl Ethylphosphonofluoridate

<b>Other names:</b>	Phosphonofluoridic acid, ethyl-, propyl ester Ethylphosphonic acid, fluoroanhydride-, propyl ester Phosphonofluoridic acid, P-ethyl-, propyl ester
<b>Inchi:</b>	InChI=1S/C5H12FO2P/c1-3-5-8-9(6,7)4-2/h3-5H2,1-2H3
<b>InchiKey:</b>	CSEVFVGZNSDOFZ-UHFFFAOYSA-N
<b>Formula:</b>	C5H12FO2P
<b>SMILES:</b>	CCCOP(=O)(F)CC
<b>Mol. weight [g/mol]:</b>	154.12
<b>CAS:</b>	2992-95-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.13		Crippen Method
logp	2.595		Crippen Method
mcvol	115.280	ml/mol	McGowan Method
rinpol	967.00		NIST Webbook
rinpol	967.10		NIST Webbook
rinpol	967.00		NIST Webbook

## 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=C2992952&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C2992952&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

**rinpol:** Non-polar retention indices

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