

# Tetrphosphetane,tetrabutyl-

<b>Inchi:</b>	InChI=1S/C16H36P4/c1-5-9-13-17-18(14-10-6-2)20(16-12-8-4)19(17)15-11-7-3/h5-16H2
<b>InchiKey:</b>	ISJVRFSQFBCIBJ-UHFFFAOYSA-N
<b>Formula:</b>	C16H36P4
<b>SMILES:</b>	CCCCP1P(CCCC)P(CCCC)P1CCCC
<b>Mol. weight [g/mol]:</b>	352.35
<b>CAS:</b>	13969-03-4

## Physical Properties

Property code	Value	Unit	Source
ie	7.39	eV	NIST Webbook
log10ws	6.20		Crippen Method
logp	8.788		Crippen Method
mcvol	307.280	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=C13969034&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13969034&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>ie:</b>	Ionization energy
<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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