

# Triisopropyl phosphite

<b>Other names:</b>	Phosphorous acid, tris(1-methylethyl) ester Phosphorous acid, triisopropyl ester Isopropyl phosphite, ((C3H7O)3P) Isopropyl phosphite, tri- Tri-2-propyl phosphite
<b>Inchi:</b>	InChI=1S/C9H21O3P/c1-7(2)10-13(11-8(3)4)12-9(5)6/h7-9H,1-6H3
<b>InchiKey:</b>	SJHCUXCOGGKFAI-UHFFFAOYSA-N
<b>Formula:</b>	C9H21O3P
<b>SMILES:</b>	CC(C)OP(OC(C)C)OC(C)C
<b>Mol. weight [g/mol]:</b>	208.24
<b>CAS:</b>	116-17-6

## Physical Properties

Property code	Value	Unit	Source
ie	8.05	eV	NIST Webbook
ie	8.46 ± 0.05	eV	NIST Webbook
ie	8.76	eV	NIST Webbook
log10ws	-0.01		Crippen Method
logp	3.488		Crippen Method
mcvol	175.740	ml/mol	McGowan Method
rinpol	1015.00		NIST Webbook

## Sources

<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=C116176&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C116176&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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
<b>rinpol:</b>	Non-polar retention indices

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