

Tripropyl phosphite

Other names:	Phosphorous acid, tripropyl ester Propyl phosphite, tri- Phosphite, tripropyl-
Inchi:	InChI=1S/C9H21O3P/c1-4-7-10-13(11-8-5-2)12-9-6-3/h4-9H2,1-3H3
InchiKey:	QOPBTFMUVTXWFF-UHFFFAOYSA-N
Formula:	C9H21O3P
SMILES:	CCCOP(OCCC)OCCC
Mol. weight [g/mol]:	208.24
CAS:	923-99-9

Physical Properties

Property code	Value	Unit	Source
ie	8.85	eV	NIST Webbook
log10ws	0.32		Crippen Method
logp	3.493		Crippen Method
mcvol	175.740	ml/mol	McGowan Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C923999&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume

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