Triisopropyl phosphite

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

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C116176&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
rinpol:	Non-polar retention indices