

Silanol, trimethyl-, phosphite (3:1)

Other names:	Tris(trimethylsilyl) phosphite Tris(trimethylsilyl)phosphite Trimethylsilanol phosphite
Inchi:	InChI=1S/C9H27O3PSi3/c1-14(2,3)10-13(11-15(4,5)6)12-16(7,8)9/h1-9H3
InchiKey:	VMZOBROUFBEGAR-UHFFFAOYSA-N
Formula:	C9H27O3PSi3
SMILES:	C[Si](C)(C)OP(O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	298.54
CAS:	1795-31-9

Physical Properties

Property code	Value	Unit	Source
ie	8.50	eV	NIST Webbook
log10ws	6.17		Crippen Method
logp	4.768		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1795319&Units=SI&Mask=3FFF

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/117-244-1/Silanol-trimethyl-phosphite-3-1.pdf>

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