

Phosphoric acid, bis(trimethylsilyl) 2,3-bis[(trimethylsilyl)oxy]propyl ester

Other names:	Phosphoric acid, 2,3-bis(trimethylsiloxy)propyl bis(trimethylsilyl) ester 2,3-Bis[(trimethylsilyl)oxy]propyl bis(trimethylsilyl) phosphate Glycerol-3-phosphate-4, TMS «alpha»-Glycerophosphoric acid, tetrakis-TMS
Inchi:	InChI=1S/C15H41O6PSi4/c1-23(2,3)18-14-15(19-24(4,5)6)13-17-22(16,20-25(7,8)9)21-2
InchiKey:	OSNKBCBCOYHYNF-UHFFFAOYSA-N
Formula:	C15H41O6PSi4
SMILES:	<chem>C[Si](C)(C)OCC(COP(=O)(O[Si](C)(C)C)O[Si](C)(C)C)O[Si](C)(C)C</chem>
Mol. weight [g/mol]:	460.80
CAS:	31038-11-6

Physical Properties

Property code	Value	Unit	Source
log10ws	2.88		Crippen Method
logp	5.886		Crippen Method
rinpol	1780.00		NIST Webbook
rinpol	1797.00		NIST Webbook
rinpol	1787.00		NIST Webbook
rinpol	1775.00		NIST Webbook
rinpol	1744.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C31038116&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

rinpol: Non-polar retention indices

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