

Phosphoric acid, 2-(trimethylsiloxy)-1-[(trimethylsiloxy)methyl]ethyl bis(trimethylsilyl) ester

Other names:	Phosphoric acid, 2-[(trimethylsilyl)oxy]-1-[(trimethylsilyl)oxy]methyl]ethyl ester, Bis(trimethylsilyl) silicate, Glycerol 2-phosphate, 4TMS
Inchi:	InChI=1S/C15H41O6PSi4/c1-23(2,3)17-13-15(14-18-24(4,5)6)19-22(16,20-25(7,8)9)21-2
InchiKey:	YAFRKC�KMMQSLX-UHFFFAOYSA-N
Formula:	C15H41O6PSi4
SMILES:	C[Si](C)(C)OCC(CO[Si](C)(C)C)OP(=O)(O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	460.80
CAS:	31038-12-7

Physical Properties

Property code	Value	Unit	Source
log10ws	2.88		Crippen Method
logp	5.886		Crippen Method
rinpol	1741.00		NIST Webbook
rinpol	1741.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C31038127&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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