

Methylphosphonic acid, bis[(dimethyl)(tert-butyl)silyl] ester

Other names:	Methylphosphonic acid, bis-TBDMS ester Methylphosphonic acid, TBDMS
Inchi:	InChI=1S/C13H33O3PSi2/c1-12(2,3)18(8,9)15-17(7,14)16-19(10,11)13(4,5)6/h1-11H3
InchiKey:	NZXNCMCIFZVNIK-UHFFFAOYSA-N
Formula:	C13H33O3PSi2
SMILES:	CC(C)(C)[Si](C)(C)OP(C)(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	324.54
CAS:	154660-12-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.81		Crippen Method
logp	5.853		Crippen Method
rinpol	1569.00		NIST Webbook
rinpol	1580.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C154660125&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.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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