

Acetic acid, [(tert-butyldimethylsilyl)oxy]-, tert-butyldimethylsilyl ester

Other names:	Glycolic acid, bis-DMTBS Glycolic acid, diTBDMS Glycolic acid, (2TBDMS) Glycolic acid, tert-butyldimethylsilyl ether, tert-butyldimethylsilyl ester Glycolic acid, TBDMS tert-Butyl(dimethyl)silyl ([tert-butyl(dimethyl)silyl]oxy)acetate Glycolic acid, 2tbdms derivative
Inchi:	InChI=1S/C14H32O3Si2/c1-13(2,3)18(7,8)16-11-12(15)17-19(9,10)14(4,5)6/h11H2,1-10H1
InchiKey:	OKWFJWHUFDQPSE-UHFFFAOYSA-N
Formula:	C14H32O3Si2
SMILES:	CC(C)(C)[Si](C)(C)OCC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	304.57
CAS:	67226-76-0

Physical Properties

Property code	Value	Unit	Source
log10ws	0.27		Crippen Method
logp	4.557		Crippen Method
rinpol	1509.00		NIST Webbook
rinpol	1500.10		NIST Webbook
rinpol	1509.00		NIST Webbook
rinpol	1505.90		NIST Webbook
rinpol	1506.00		NIST Webbook
rinpol	1499.00		NIST Webbook
rinpol	1509.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C67226760&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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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