

Acetic acid, 2,2'-thiobis-, bis(trimethylsilyl) ester

Other names:	Thiodiglycolic acid, TMS Thiodiglycolic acid, diTMS Thiodiglycolic acid, 2tms derivative
Inchi:	InChI=1S/C10H22O4SSi2/c1-16(2,3)13-9(11)7-15-8-10(12)14-17(4,5)6/h7-8H2,1-6H3
InchiKey:	ITFADMQUIJYAEK-UHFFFAOYSA-N
Formula:	C10H22O4SSi2
SMILES:	C[Si](C)(C)OC(=O)CSCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	294.51

Physical Properties

Property code	Value	Unit	Source
log10ws	2.28		Crippen Method
logp	2.476		Crippen Method
rinpol	1541.00		NIST Webbook
rinpol	1517.00		NIST Webbook
rinpol	1541.00		NIST Webbook

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=U153570&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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<https://www.chemeo.com/cid/16-846-5/Acetic-acid-2-2-thiobis-bis-trimethylsilyl-ester.pdf>

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