L-Methionine, N-(trimethylsilyl)-, trimethylsilyl ester

Other names: Methionine, N-(trimethylsilyl)-, trimethylsilyl ester, L-
N,O-Bis-(trimethylsilyl)methionine
Trimethylsilyl 4-(methylsulfanyl)-2-[(trimethylsilyl)amino]butanoate, (S)-
Methionine, di-TMS
Methionine, (N,O-TMS)
Methionine, bis-TMS
Met, (2TMS)
Met, TMS
Methionine, TMS
L-methionine, 2tms derivative

Inchi: InChI=1S/C11H27NO2SSi2/c1-15-9-8-10(12-16(2,3)4)11(13)14-17(5,6)7/h10,12H,8-9H2

InchiKey: JATQZWJTOMUJCG-SNVBAGLBSA-N

Formula: C11H27NO2SSi2

SMILES: CSCCC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 293.57

CAS: 27844-10-6

Physical Properties

Property code	Value	Unit	Source
log10ws	1.42		Crippen Method
logp	2.911		Crippen Method
rinpol	1530.00		NIST Webbook
rinpol	1527.51		NIST Webbook
rinpol	1541.58		NIST Webbook
rinpol	1513.50		NIST Webbook
rinpol	1530.00		NIST Webbook
rinpol	1531.10		NIST Webbook
rinpol	1508.20		NIST Webbook
rinpol	1534.00		NIST Webbook
rinpol	1541.58		NIST Webbook
rinpol	1516.78		NIST Webbook
rinpol	1518.48		NIST Webbook
rinpol	1516.78		NIST Webbook
ripol	1741.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C27844106&Units=SI

Legend

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