

# L-Methionine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names:

N,O-Bis(dimethyl-t-butylsilyl)-l-methionine  
tert-Butyl(dimethyl)silyl  
2-((tert-butyl(dimethyl)silyl)amino)-4-(methylsulfanyl)butanoate, (L)-Met, (2TBDMS)  
Methionine diTBDMS  
Methionine, N,O-bis-TBDMS  
Met, bis-TBDMS  
Met, TBDMS  
Methionine, TBDMS  
L-methionine, 2tbdms derivative

**Inchi:** InChI=1S/C17H39NO2SSi2/c1-16(2,3)22(8,9)18-14(12-13-21-7)15(19)20-23(10,11)17(4,  
**InchiKey:** GFTNLYSBKQIIQN-CQSZACIVSA-N  
**Formula:** C17H39NO2SSi2  
**SMILES:** CSCCC(N[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 377.73  
**CAS:** 107715-92-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.09		Crippen Method
logp	5.251		Crippen Method
rinpol	1973.00		NIST Webbook
rinpol	1973.00		NIST Webbook
rinpol	1961.50		NIST Webbook
rinpol	1960.00		NIST Webbook
rinpol	1960.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715924&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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