

Serine, bis(trimethylsilyl)-

Other names: L-Serine, O-trimethylsilyl-, trimethylsilyl ester

L-serine, 2tms derivative

Inchi: InChI=1S/C9H23NO3Si2/c1-14(2,3)12-7-8(10)9(11)13-15(4,5)6/h8H,7,10H2,1-6H3/t8-/m

InchiKey: MWERNBWITQOYEZ-QMMMGPBSA-N

Formula: C9H23NO3Si2

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

Mol. weight [g/mol]: 249.45

CAS: 70125-39-2

Physical Properties

Property code	Value	Unit	Source
log10ws	2.81		Crippen Method
logp	1.543		Crippen Method
rinpol	1252.30		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=C70125392&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/66-983-8/Serine-bis-trimethylsilyl.pdf>

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