

L-Homoserine, trimethylsilyl ether, trimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl o-[tert-butyl(dimethyl)silyl]-l-homoserinate

L-homoserine, 2tms derivative

Inchi: InChI=1S/C10H25NO3Si2/c1-15(2,3)13-8-7-9(11)10(12)14-16(4,5)6/h9H,7-8,11H2,1-6H3

InchiKey: OFYGDNZJILTUEX-UHFFFAOYSA-N

Formula: C10H25NO3Si2

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

Mol. weight [g/mol]: 263.48

Physical Properties

Property code	Value	Unit	Source
log10ws	2.39		Crippen Method
logp	1.933		Crippen Method
rinpol	1361.00		NIST Webbook
rinpol	1350.20		NIST Webbook
rinpol	1361.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332845&Units=SI>

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

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/120-734-3/L-Homoserine-trimethylsilyl-ether-trimethylsilyl-ester.pdf>

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