

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

Other names:

Leucine, N-(trimethylsilyl)-, trimethylsilyl ester, L-N,O-Bis(trimethylsilyl)-L-leucine
L-leucine, 2tms derivative

Inchi: InChI=1S/C12H29NO2Si2/c1-10(2)9-11(13-16(3,4)5)12(14)15-17(6,7)8/h10-11,13H,9H2

InchiKey: OIBARLCQMDCDSG-LLVKDONJSA-N

Formula: C₁₂H₂₉NO₂Si₂

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

Mol. weight [g/mol]: 275.54

CAS: 7364-46-7

Physical Properties

Property code	Value	Unit	Source
log10ws	1.13		Crippen Method
logp	3.204		Crippen Method

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C7364467&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/24-260-6/L-Leucine-N-trimethylsilyl-trimethylsilyl-ester.pdf>

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