L-Leucine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names: N,O-Bis(dimethyl-t-butylsilyl)-l-leucine
tert-Butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]amino)-4-methylpentanoate, (L)-
Leucine diTBDMS
Leucine, N,O-bis-TBDMS
Leu, bis-TBDMS
Leu, TBDMS
Leucine, TBDMS
L-leucine, 2tbdms derivative

Inchi: InChI=1S/C18H41NO2Si2/c1-14(2)13-15(19-22(9,10)17(3,4)5)16(20)21-23(11,12)18(6,7

InchiKey: HKPKPAQMCPAPSM-UHFFFAOYSA-N

Formula: C18H41NO2Si2

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

Mol. weight [g/mol]: 359.69

CAS: 92771-65-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.38		Crippen Method
logp	5.544		Crippen Method
rinpol	1703.00		NIST Webbook
rinpol	1703.00		NIST Webbook
rinpol	1677.70		NIST Webbook
rinpol	1726.00		NIST Webbook
rinpol	1677.70		NIST Webbook
rinpol	1703.00		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=C92771658&Units=SI

Legend

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