

# N,O-Bis-(trimethylsilyl)leucine

**Other names:**

Leucine di-TMS  
DL-Leucine, N-(trimethylsilyl)-, trimethylsilyl ester  
Leu, bis-TMS  
Llucine (N,O-TMS)  
Leucine, bis-TMS  
Leu, (2TMS)  
Leucine, N-trimethylsilyl-, trimethylsilyl ester, DL-  
Leu, TMS  
Leucine, TMS  
LEUCINE (N,O-TMS)  
L-Leucine, N-trimethylsilyl-, trimethylsilyl ester  
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-UHFFFAOYSA-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:**

15984-97-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.13		Crippen Method
logp	3.204		Crippen Method
rinpol	1276.00		NIST Webbook
rinpol	1287.56		NIST Webbook
rinpol	1294.37		NIST Webbook
rinpol	1299.65		NIST Webbook
rinpol	1279.30		NIST Webbook
rinpol	1275.00		NIST Webbook
rinpol	1284.85		NIST Webbook
rinpol	1284.00		NIST Webbook
rinpol	1261.60		NIST Webbook
rinpol	1292.00		NIST Webbook
rinpol	1284.85		NIST Webbook
rinpol	1279.30		NIST Webbook
rinpol	1261.60		NIST Webbook
rinpol	1294.37		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C15984971&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15984971&amp;Units=SI</a>

## Legend

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

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