

# N,O-Bis(dimethyl-t-butylsilyl)-l-isoleucine

<b>Other names:</b>	L-Isoleucine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester tert-Butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]amino)-3-methylpentanoate, (2S,3S)-Ile, bis-TBDMS Isoleucine diTBDMS Isoleucine, (2TBDMS)- Ile, TBDMS Isoleucine, TBDMS Isoleucine, 2tbdms derivative
<b>Inchi:</b>	InChI=1S/C18H41NO2Si2/c1-13-14(2)15(19-22(9,10)17(3,4)5)16(20)21-23(11,12)18(6,7)
<b>InchiKey:</b>	YSWZBRBBXWCEQZ-HUUCEWRRSA-N
<b>Formula:</b>	C18H41NO2Si2
<b>SMILES:</b>	CCC(C)C(N[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	359.69
<b>CAS:</b>	107715-90-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.38		Crippen Method
logp	5.544		Crippen Method
rinpol	1748.00		NIST Webbook
rinpol	1748.00		NIST Webbook
rinpol	1712.80		NIST Webbook
rinpol	1756.00		NIST Webbook
rinpol	1748.00		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=C107715902&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C107715902&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

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