

# L-Valine, tert-butyldimethylsilyl ester

<b>Other names:</b>	L-valine, tbdms derivative
<b>Inchi:</b>	InChI=1S/C11H25NO2Si/c1-8(2)9(12)10(13)14-15(6,7)11(3,4)5/h8-9H,12H2,1-7H3
<b>InchiKey:</b>	YYUGIDUTLGWZRP-UHFFFAOYSA-N
<b>Formula:</b>	C11H25NO2Si
<b>SMILES:</b>	CC(C)C(N)C(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	231.41

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.64		Crippen Method
logp	2.518		Crippen Method
rinpol	1304.30		NIST Webbook
rinpol	1304.30		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=U333277&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333277&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

Latest version available from:

<https://www.chemeo.com/cid/119-686-9/l-valine-tert-butyldimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-30 00:53:50.810085273 +0000 UTC m=+16727679.730662588.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.