

# Biotin, N,N'-tert-butyldimethylsilyl-, tert-butyldimethylsilyl ester

<b>Other names:</b>	Biotin, 3tbdms derivative
<b>Inchi:</b>	InChI=1S/C28H58N2O3SSi3/c1-26(2,3)35(10,11)29-21-20-34-22(24(21)30(25(29)32)36(
<b>InchiKey:</b>	BEDIWOU LR COHX-UHFFFAOYSA-N
<b>Formula:</b>	C28H58N2O3SSi3
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OC(=O)CCCC1SCC2C1N([Si](C)(C)C(C)(C)C(=O)N2[Si](C)(C)C(
<b>Mol. weight [g/mol]:</b>	587.09

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.46		Crippen Method
logp	8.696		Crippen Method

## Sources

<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=U333966&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333966&amp;Units=SI</a>
<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>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/72-787-9/Biotin-N-N-tert-butyldimethylsilyl-tert-butyldimethylsilyl-ester.pdf>

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