

# Biotin, N,N'-(trimethylsilyl)-, trimethylsilyl ester

<b>Other names:</b>	Trimethylsilyl 5-[2-oxo-1,3-bis(trimethylsilyl)hexahydro-1H-thieno[3,4-d]imidazol-4-yl]pentanoate Biotin, 3trms derivative
<b>Inchi:</b>	InChI=1S/C19H40N2O3SSi3/c1-26(2,3)20-15-14-25-16(18(15)21(19(20)23)27(4,5)6)12-
<b>InchiKey:</b>	QSFIQUSEPGPITA-UHFFFAOYSA-N
<b>Formula:</b>	C19H40N2O3SSi3
<b>SMILES:</b>	C[Si](C)(C)OC(=O)CCCC1SCC2C1N([Si](C)(C)C)C(=O)N2[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	460.85

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.31		Crippen Method
logp	5.185		Crippen Method
rinpol	2475.70		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=U333660&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333660&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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