

# 2-Monostearin trimethylsilyl ether

<b>Other names:</b>	Octadecanoic acid, 2-[(trimethylsilyl)oxy]-1-[[trimethylsilyl]oxy]methyl]ethyl ester 2-Monostearoylglycerol trimethylsilyl ether Octadecanoic acid, 1,3-bis-(O-TMS)-2-propyl ester Octadecanoic acid, 1,3-bis-(OTMS) propyl ester («beta»-glyceryl stearate) 2-Monostearin, 2tms derivative
<b>Inchi:</b>	InChI=1S/C27H58O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-27(28)31-2
<b>InchiKey:</b>	FSYBYYSILBLSBF-UHFFFAOYSA-N
<b>Formula:</b>	C27H58O4Si2
<b>SMILES:</b>	CCCCCCCCCCCCCCCCC(=O)OC(CO[Si](C)(C)C)CO[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	502.92
<b>CAS:</b>	53336-13-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.38		Crippen Method
logp	8.863		Crippen Method
rinpol	2775.00		NIST Webbook
rinpol	2772.00		NIST Webbook
rinpol	2775.00		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=C53336133&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C53336133&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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