

# 1,3-Dipalmitin trimethylsilyl ether

<b>Other names:</b>	Hexadecanoic acid, 2-[(trimethylsilyl)oxy]-1,3-propanediyl ester Glycerol, 1,3-dipalmitate, 2-O-TMS- 1,3-Dipalmitoyl-2-trimethylsilyl-glycerol 1,3-Dipalmitin, tms derivative
<b>Inchi:</b>	InChI=1S/C38H76O5Si/c1-6-8-10-12-14-16-18-20-22-24-26-28-30-32-37(39)41-34-36(43)
<b>InchiKey:</b>	IBCWULXGIBVHLB-UHFFFAOYSA-N
<b>Formula:</b>	C38H76O5Si
<b>SMILES:</b>	<chem>CCCCCCCCCCCCCCCC(=O)OCC(COC(=O)CCCCCCCCCCCCCCCC)O[Si](C)(C)C</chem>
<b>Mol. weight [g/mol]:</b>	641.09
<b>CAS:</b>	53212-95-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-10.70		Crippen Method
logp	12.255		Crippen Method
rinpol	3936.00		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=C53212956&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C53212956&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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