

2-Monopalmitoylglycerol trimethylsilyl ether

Other names:	Hexadecanoic acid, 2-[(trimethylsilyl)oxy]-1-[[trimethylsilyl]oxy]methyl]ethyl ester Hexadecanoic acid, 1,3-bis-(O-TMS)-2-propyl ester Hexadecanoic acid, 1,3-bis-(OTMS) propyl ester («beta»-glyceryl palmitate) 2-Palmitoylglycerol, 2tms derivative
Inchi:	InChI=1S/C25H54O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-20-21-25(26)29-24(22-23)
InchiKey:	JQFYQTQNUWQLQV-UHFFFAOYSA-N
Formula:	C25H54O4Si2
SMILES:	CCCCCCCCCCCCCCCC(=O)OC(CO[Si](C)(C)C)CO[Si](C)(C)C
Mol. weight [g/mol]:	474.86
CAS:	53212-97-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.54		Crippen Method
logp	8.082		Crippen Method
rinpol	2576.00		NIST Webbook
rinpol	2576.00		NIST Webbook
rinpol	2540.40		NIST Webbook
rinpol	2576.00		NIST Webbook
rinpol	2540.40		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C53212978&Units=SI

Legend

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

rinpol: Non-polar retention indices

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