

# 9-Octadecenoic acid, 2-[(trimethylsilyl)oxy]-1-[[trimethylsilyl]oxy]methyl ester

Other names:  
ester

2-[(Trimethylsilyl)oxy]-1-[[trimethylsilyl]oxy]methyl ethyl 9-octadecenoate

9-Octadecenoic acid, 1,3-bis-(OTMS)-2-propyl ester

Oleic acid, 1,3-bis-(OTMS) propyl ester («beta»-glyceryl oleate)

2-Oleoylglycerol, 2tms derivative

**Inchi:** InChI=1S/C27H56O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-27(28)31-2

**InchiKey:** LPQFHKYPXYZZOR-FOCLMDBBSA-N

**Formula:** C27H56O4Si2

**SMILES:** CCCCCCCCC=CCCCCCCC(=O)OC(CO[Si](C)(C)C)CO[Si](C)(C)C

**Mol. weight [g/mol]:** 500.90

**CAS:** 56554-42-8

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.23		Crippen Method
logp	8.639		Crippen Method
rinpol	2746.00		NIST Webbook
rinpol	2744.00		NIST Webbook
rinpol	2746.00		NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C56554428&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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