

# 2-Monolinoleoylglycerol trimethylsilyl ether

**Other names:**

9,12-Octadecadienoic acid (Z,Z)-,  
2-[[trimethylsilyl]oxy]-1-[[trimethylsilyl]oxy]methyl ethyl ester  
2-[[trimethylsilyl]oxy]-1-[[trimethylsilyl]oxy]methyl ethyl  
(9Z,12Z)-9,12-octadecadienoate  
Linoleic acid, 1,3-bis-(O-TMS)-2-propyl ester  
Linoleic acid, 1,3-bis-(OTMS) propyl ester («beta»-glyceryl linoleate)  
2-Linoleoylglycerol, 2tms derivative

**Inchi:**

InChI=1S/C27H54O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-27(28)31-2

**InchiKey:**

NPJJKBGACKVEMM-XUPYMNJSSA-N

**Formula:**

C27H54O4Si2

**SMILES:**

CCCCC=CCC=CCCCCCCC(=O)OC(CO[Si](C)(C)C)CO[Si](C)(C)C

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

498.89

**CAS:**

54284-46-7

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.08		Crippen Method
logp	8.415		Crippen Method
rinpol	2706.10		NIST Webbook
rinpol	2777.00		NIST Webbook
rinpol	2740.00		NIST Webbook
rinpol	2739.00		NIST Webbook
rinpol	2740.00		NIST Webbook
rinpol	2777.00		NIST Webbook
rinpol	2706.10		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=C54284467&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

Latest version available from:

<https://www.cheméo.com/cid/17-921-0/2-Monolinoleoylglycerol-trimethylsilyl-ether.pdf>

Generated by Cheméo on 2024-04-18 18:26:36.159573833 +0000 UTC m=+15754045.080151145.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.