

1-Monolinoleoylglycerol trimethylsilyl ether

Other names:

9,12-Octadecadienoic acid (Z,Z)-, 2,3-bis[(trimethylsilyl)oxy]propyl ester
2,3-Bis[(trimethylsilyl)oxy]propyl (9Z,12Z)-9,12-octadecadienoate
Linoleic acid, 2,3-bis-(O-TMS)-propyl ester
monolinolein TMS
Linoleic acid, 2,3-bis-(OTMS) propyl ester («alpha»-glyceryl linoleate)
1-Monolinolein, 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)29-2

InchiKey:

ZSJCVZNRVUZSFU-QGLGPCELSA-N

Formula:

C27H54O4Si2

SMILES:

CCCCC=CCC=CCCCCCCCC(=O)OCC(CO[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]:

498.89

CAS:

54284-45-6

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.08		Crippen Method
logp	8.415		Crippen Method
rinpol	2742.70		NIST Webbook
rinpol	2780.00		NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C54284456&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

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.chemeo.com/cid/39-064-8/1-Monolinoleoylglycerol-trimethylsilyl-ether.pdf>

Generated by Cheméo on 2025-12-20 14:31:43.694042576 +0000 UTC m=+5989301.224083240.

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