# 1-Monolinoleoylglycerol trimethylsilyl ether

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|---|---|
| **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:** | CCCCCC=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

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|---|---|
| **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

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|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |
| **logp:** | Octanol/Water partition coefficient |
| **rinpol:** | Non-polar retention indices |