

# Decanoic acid, 2,3-bis(trimethylsiloxy)propyl ester

**Other names:**

Decanoic acid, 2,3-bis-(OTMS)-propyl ester  
2,3-bis-(OTMS)-«alpha»-glyceryl caprylate  
Decanoic acid, 2,3-bis-(OTMS) propyl ester («alpha»-glyceryl caprylate)  
Monocaprin, 2tms derivative

**Inchi:**

InChI=1S/C19H42O4Si2/c1-8-9-10-11-12-13-14-15-19(20)21-16-18(23-25(5,6)7)17-22-2

**InchiKey:**

XTRBTZGYEPNGOK-UHFFFAOYSA-N

**Formula:**

C19H42O4Si2

**SMILES:**

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

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

390.71

**CAS:**

1116-64-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.03		Crippen Method
logp	5.742		Crippen Method
rinpol	2041.00		NIST Webbook
rinpol	2041.00		NIST Webbook

## Sources

**Crippen Method:**

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

**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=C1116649&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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<https://www.chemeo.com/cid/117-763-5/Decanoic-acid-2-3-bis-trimethylsiloxy-propyl-ester.pdf>

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