

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

Other names:  
ester

Decanoic acid, 1,3-bis-(OTMS)-propyl ester  
1,3-bis-(OTMS)-«beta»-glyceryl caprylate  
Decanoic acid, 1,3-bis-(OTMS) propyl ester («beta»-glyceryl caprylate)  
2-Monocaprin, 2tms derivative

**Inchi:** InChI=1S/C19H42O4Si2/c1-8-9-10-11-12-13-14-15-19(20)23-18(16-21-24(2,3)4)17-22-2

**InchiKey:** STBQJQZMNVLJEL-UHFFFAOYSA-N

**Formula:** C19H42O4Si2

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

**Mol. weight [g/mol]:** 390.71

**CAS:** 55268-48-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.03		Crippen Method
logp	5.742		Crippen Method
rinpol	1999.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55268489&Units=SI>

**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)

## Legend

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

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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