

# 9,10,18-trihydroxyoctadec-12-enoic acid, TMSi ester TMSi ether

**Inchi:** InChI=1S/C30H66O5Si4/c1-36(2,3)32-27-23-19-14-13-16-20-24-28(33-37(4,5)6)29(34-38)O/Si(C)(C)O/Si(C)(C)O/Si(C)(C)O/Si(C)(C)O  
**InchiKey:** RICDMDUPMDRSDE-SILNSSARSA-N  
**Formula:** C30H66O5Si4  
**SMILES:** C[Si](C)(C)OCCCCC=CCC(O[Si](C)(C)C)C(CCCCCC(=O)O[Si](C)(C)C)O[Si](C)(C)O[Si](C)(C)O[Si](C)(C)O  
**Mol. weight [g/mol]:** 619.18

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.79		Crippen Method
logp	9.894		Crippen Method
rinpol	2848.00		NIST Webbook
rinpol	2848.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R423791&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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.cheméo.com/cid/78-110-3/9-10-18-trihydroxyoctadec-12-enoic-acid-TMSi-ester-TMSi-ether.pdf>

Generated by Cheméo on 2024-05-02 02:13:26.149423067 +0000 UTC m=+16905255.070000378.

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