

# Octadecanoic acid, 9,10-dihydroxy, erythro, methyl ester, DTBS

**Inchi:** InChI=1S/C27H54O4Si/c1-9-10-11-12-14-17-20-23-24(21-18-15-13-16-19-22-25(28)29-8  
**InchiKey:** ZFMNFJGHBZLYCN-BJKOFHAPSA-N  
**Formula:** C27H54O4Si  
**SMILES:** CCCCCCCCC1O[Si](C(C)(C)C)(C(C)(C)C)OC1CCCCCCCC(=O)OC  
**Mol. weight [g/mol]:** 470.80

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.91		Crippen Method
logp	8.467		Crippen Method
rinpol	2750.00		NIST Webbook
rinpol	2750.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R115450&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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<https://www.chemeo.com/cid/64-956-0/Octadecanoic-acid-9-10-dihydroxy-erythro-methyl-ester-DTBS.pdf>

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