

# Hexadecanoic acid, 15-methyl-2-trimethylsilyloxy, methyl ester

**Other names:** Hexadecanoic acid, 2-hydroxy-15-methyl, methyl ester, TMS  
**Inchi:** InChI=1S/C21H44O3Si/c1-19(2)17-15-13-11-9-7-8-10-12-14-16-18-20(21(22)23-3)24-25  
**InchiKey:** KWXZFWLESSJGHR-UHFFFAOYSA-N  
**Formula:** C<sub>21</sub>H<sub>44</sub>O<sub>3</sub>Si  
**SMILES:** COC(=O)C(CCCCCCCCCCCCC(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 372.66

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.48		Crippen Method
logp	6.717		Crippen Method
rinpola	2185.00		NIST Webbook
rinpola	2200.00		NIST Webbook
rinpola	2200.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R98109&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  
**rinpola:** Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/57-377-1/Hexadecanoic-acid-15-methyl-2-trimethylsilyloxy-methyl-ester.pdf>

Generated by Cheméo on 2024-04-29 07:15:45.429962032 +0000 UTC m=+16664194.350539348.

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