

# Dodecanoic acid, 6-methyl, trimethylsilyl ester

**Inchi:** InChI=1S/C16H34O2Si/c1-6-7-8-9-12-15(2)13-10-11-14-16(17)18-19(3,4)5/h15H,6-14H2  
**InchiKey:** DHOQXLVOWVWULU-UHFFFAOYSA-N  
**Formula:** C16H34O2Si  
**SMILES:** CCCCCC(C)CCCC(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 286.53

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.19		Crippen Method
logp	5.531		Crippen Method
rinpol	1689.00		NIST Webbook

## Sources

**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)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R166864&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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