

# Docosanoic acid, 20-methyl, trimethylsilyl ester

**Inchi:** InChI=1S/C26H54O2Si/c1-6-25(2)23-21-19-17-15-13-11-9-7-8-10-12-14-16-18-20-22-24  
**InchiKey:** YBLOIIYVLMKTQR-UHFFFAOYSA-N  
**Formula:** C26H54O2Si  
**SMILES:** CCC(C)CCCCCCCCCCCCCCCCCCC(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 426.79

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.38		Crippen Method
logp	9.432		Crippen Method
rinpol	2708.00		NIST Webbook
rinpol	2708.00		NIST Webbook

## Sources

**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)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R166824&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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