

# Heneicosanoic acid, tert-butyldimethylsilyl ester

**Other names:** tert-Butyl(dimethyl)silyl heneicosanoate  
Heneicosanoic acid, TBDMS  
Heneicosanoic acid, tbdms derivative

**Inchi:** InChI=1S/C27H56O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26(

**InchiKey:** YEKXLWIPRQLLFO-UHFFFAOYSA-N

**Formula:** C27H56O2Si

**SMILES:** CCCCCCCCCCCCCCCCCCCCCC(=O)O[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 440.82

## Physical Properties

Property code	Value	Unit	Source
log10ws	-8.04		Crippen Method
logp	9.967		Crippen Method
rinpol	2778.90		NIST Webbook
rinpol	2791.00		NIST Webbook
rinpol	2778.90		NIST Webbook
rinpol	2791.00		NIST Webbook

## Sources

**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=U333176&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## 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/39-992-8/Heneicosanoic-acid-tert-butyltrimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-20 07:45:27.772332162 +0000 UTC m=+15888376.692909474.

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