

# cis-13-Octadecenoic acid, tert-butyl dimethylsilyl ester

**Other names:** 13-Octadecenoic acid, (z)-, tbdms derivative  
**Inchi:** InChI=1S/C24H48O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23(25)26-27(  
**InchiKey:** VHNVVKIRQGPQFX-KHPPLWFESA-N  
**Formula:** C24H48O2Si  
**SMILES:** CCCCC=CCCCCCCCCCCCC(=O)O[Si](C)(C)C(C)C  
**Mol. weight [g/mol]:** 396.72

## Physical Properties

Property code	Value	Unit	Source
log10ws	-6.64		Crippen Method
logp	8.572		Crippen Method
rinpol	2484.90		NIST Webbook
rinpol	2484.90		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333587&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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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