# cis-9-Hexadecenoic acid, tert-butyldimethylsilyl ester

**Other names:** Palmitoleic acid, DMTBS
Palmitoleic acid, TBDMS
9-Hexadecenoic acid, (z)-, tbdms derivative

**Inchi:** InChI=1S/C22H44O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21(23)24-25(5,6)22(

**InchiKey:** VSFAVIVLUCDIIB-SEYXRHQNSA-N

**Formula:** C22H44O2Si

**SMILES:** CCCCCCC=CCCCCCCCC(=O)O[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 368.67

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -5.80 | | Crippen Method |
| logp | 7.792 | | Crippen Method |
| rinpol | 2268.50 | | NIST Webbook |
| rinpol | 2268.00 | | NIST Webbook |
| rinpol | 2271.00 | | NIST Webbook |
| rinpol | 2268.50 | | NIST Webbook |
| rinpol | 2268.00 | | NIST Webbook |

## Sources

**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U333197&Units=SI

**Crippen Method:** http://pubs.acs.org/doi/abs/10.1021/ci990307l

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices