# 1,2-Propanediol, bis(tert-butyldimethylsilyl) ether

**Other names:** 2,2,3,3,5,8,8,9,9-Nonamethyl-4,7-dioxa-3,8-disiladecane
1,2-Propanediol, bis-DMTBS
Propylene glycol, 2tbdms derivative

**Inchi:** InChI=1S/C15H36O2Si2/c1-13(17-19(10,11)15(5,6)7)12-16-18(8,9)14(2,3)4/h13H,12H2,

**InchiKey:** ZQRKEAQIASQDNT-UHFFFAOYSA-N

**Formula:** C15H36O2Si2

**SMILES:** CC(CO[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 304.62

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -0.49 | | Crippen Method |
| logp | 5.418 | | Crippen Method |
| rinpol | 1409.00 | | NIST Webbook |
| rinpol | 1424.00 | | NIST Webbook |
| rinpol | 1409.00 | | NIST Webbook |

## Sources

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

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

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U333034&Units=SI

## Legend

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

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices