# 2-Methyl-1-pentanol, tert-butyldimethylsilyl ether

**Other names:** 2-Methyl-1-pentanol, tbdms derivative
**Inchi:** InChI=1S/C12H28OSi/c1-8-9-11(2)10-13-14(6,7)12(3,4)5/h11H,8-10H2,1-7H3
**InchiKey:** GSODTUHABDTPBR-UHFFFAOYSA-N
**Formula:** C12H28OSi
**SMILES:** CCCC(C)CO[Si](C)(C)C(C)(C)C
**Mol. weight [g/mol]:** 216.44

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | -1.74 | | Crippen Method |
| logp | 4.444 | | Crippen Method |
| rinpol | 1141.20 | | NIST Webbook |
| rinpol | 1141.20 | | NIST Webbook |

## Sources

**Crippen Method:** https://www.chemeo.com/doc/models/crippen_log10ws
**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U333303&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