# Threitol, 1,2,3,4-tetrakis-O-(trimethylsilyl)-, D-

**Other names:** Theitol, 4TMS
**Inchi:** InChI=1S/C16H42O4Si4/c1-21(2,3)17-13-15(19-23(7,8)9)16(20-24(10,11)12)14-18-22(4,
**InchiKey:** ZBFVOPVQUXWTHM-UHFFFAOYSA-N
**Formula:** C16H42O4Si4
**SMILES:** C[Si](C)(C)OCC(O[Si](C)(C)C)C(CO[Si](C)(C)C)O[Si](C)(C)C
**Mol. weight [g/mol]:** 410.84
**CAS:** 32381-52-5

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 4.70 | | Crippen Method |
| logp | 5.130 | | Crippen Method |
| rinpol | 1502.00 | | 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=C32381525&Units=SI

## Legend

**log10ws:** Log10 of Water solubility in mol/l
**logp:** Octanol/Water partition coefficient
**rinpol:** Non-polar retention indices