

# 1,4-Anhydroglucitol, TMS

**Inchi:** InChI=1S/C18H44O5Si4/c1-24(2,3)20-14-16(22-26(7,8)9)17-18(23-27(10,11)12)15(13-19)21  
**InchiKey:** XFCGMMDSCXRHLA-OWSLCNJRSA-N  
**Formula:** C18H44O5Si4  
**SMILES:** C[Si](C)(C)OCC(O[Si](C)(C)C)C1OCC(O[Si](C)(C)C)C1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 452.88

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 4.66    |      | Crippen Method |
| logp          | 4.897   |      | Crippen Method |
| rinpol        | 1800.00 |      | NIST Webbook   |
| rinpol        | 1800.00 |      | NIST Webbook   |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R390582&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.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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