

# XYLOBIOSE 6TMS-1

**Inchi:** InChI=1S/C28H66O9Si6/c1-38(2,3)31-21-23(25(35-41(10,11)12)22(19-29)33-39(4,5)6)3  
**InchiKey:** FNKUSCCBLBUZFF-FHUOLJJNSA-N  
**Formula:** C28H66O9Si6  
**SMILES:** C[Si](C)(C)OCC(OC1OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C  
**Mol. weight [g/mol]:** 715.33

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | 7.00    |      | Crippen Method |
| logp          | 6.879   |      | Crippen Method |
| rinpol        | 2403.10 |      | NIST Webbook   |
| rinpol        | 2403.10 |      | NIST Webbook   |

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R414836&Units=SI>

## Legend

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

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