# «beta»-D(+)-Glucose (Dextrose), pyranose, TMS

**Inchi:** InChI=1S/C20H50O6Si5/c1-27(2,3)22-16-17(23-28(4,5)6)19(25-30(10,11)12)21-20(26-31

**InchiKey:** DMYXNOJXHNOHDN-NLNRRPOYSA-N

**Formula:** C20H50O6Si5

**SMILES:** C[Si](C)(C)OC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

**Mol. weight [g/mol]:** 527.03

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 5.58 | | Crippen Method |
| logp | 6.032 | | Crippen Method |
| rinpol | 2025.00 | | 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=R440914&Units=SI

## Legend

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

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices