

# Glucose, pentakis-TMS

**Inchi:** InChI=1S/C21H52O6Si5/c1-28(2,3)23-17-19(25-30(7,8)9)21(27-32(13,14)15)20(26-31(10,11)12)6  
**InchiKey:** PPTMWEDTYQRQBC-DOIPELPJSA-N  
**Formula:** C<sub>21</sub>H<sub>52</sub>O<sub>6</sub>Si<sub>5</sub>  
**SMILES:** C[Si](C)(C)OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(C=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 541.06

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.97		Crippen Method
logp	5.917		Crippen Method
rinpol	2031.00		NIST Webbook
rinpol	2026.00		NIST Webbook

## Sources

**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=R509261&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

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