

# Methyl «alpha»-D-glucopyranose, 3,4-bis-O-pentyloxymethyl ether, TMS

**Inchi:** InChI=1S/C25H54O8Si2/c1-10-12-14-16-27-19-29-22-21(18-31-34(4,5)6)32-25(26-3)24(33)23  
**InchiKey:** ZIRJOBRTBQOHGE-ARXROMJUSA-N  
**Formula:** C25H54O8Si2  
**SMILES:** CCCCCOCOC1C(CO[Si](C)(C)C)OC(OC)C(O[Si](C)(C)C)C1OCOC CCCC  
**Mol. weight [g/mol]:** 538.86

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.03		Crippen Method
logp	5.528		Crippen Method
rinpol	2515.00		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=R20843&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

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

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