

# 2,5-Anhydrogluconic acid, TMS

**Inchi:** InChI=1S/C18H42O6Si4/c1-25(2,3)20-13-14-15(22-26(4,5)6)16(23-27(7,8)9)17(21-14)18  
**InchiKey:** MIYOGWZXYKUMKR-VQHPVUNQSA-N  
**Formula:** C18H42O6Si4  
**SMILES:** C[Si](C)(C)OCC1OC(C(=O)O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 466.86

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.89		Crippen Method
logp	4.424		Crippen Method
rinpol	1898.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R100755&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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