

# 2-Deoxy-threo-pentonic acid, 1,4-lactone, TMS

**Inchi:** InChI=1S/C11H24O4Si2/c1-16(2,3)13-8-10-9(7-11(12)14-10)15-17(4,5)6/h9-10H,7-8H2,  
**InchiKey:** IKMKBKLESWIEFA-NXEZZACHSA-N  
**Formula:** C11H24O4Si2  
**SMILES:** C[Si](C)(C)OCC1OC(=O)CC1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 276.48

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.32		Crippen Method
logp	2.373		Crippen Method
rinpol	1536.00		NIST Webbook
rinpol	1536.00		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=R101025&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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