

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

**Inchi:** InChI=1S/C15H34O5Si3/c1-21(2,3)17-11-13-10-15(14(16)19-13,20-23(7,8)9)12-18-22(4,  
**InchiKey:** LTOICKSKFAJUJMB-CFMCSPIPSA-N  
**Formula:** C15H34O5Si3  
**SMILES:** C[Si](C)(C)OCC1CC(CO[Si](C)(C)C)(O[Si](C)(C)C)C(=O)O1  
**Mol. weight [g/mol]:** 378.68

## Physical Properties

Property code	Value	Unit	Source
log10ws	3.50		Crippen Method
logp	3.595		Crippen Method
rinpol	1715.00		NIST Webbook
rinpol	1715.00		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=R487700&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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