

# 2-Deoxy-lyxo-hexaric acid, TMS

**Inchi:** InChI=1S/C21H50O7Si5/c1-29(2,3)24-17(16-18(22)25-30(4,5)6)19(26-31(7,8)9)20(27-32)  
**InchiKey:** DLLLLQVGPTWBCA-MVGXFMOLSA-N  
**Formula:** C<sub>21</sub>H<sub>50</sub>O<sub>7</sub>Si<sub>5</sub>  
**SMILES:** C[Si](C)(C)OC(=O)CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 555.04

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.81		Crippen Method
logp	5.793		Crippen Method
rinpol	1972.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R100973&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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