

# A-Lyxofuranose, TMS

**Other names:** «alpha»-Lyxose, TMS  
**Inchi:** InChI=1S/C17H42O5Si4/c1-23(2,3)18-13-14-15(20-24(4,5)6)16(21-25(7,8)9)17(19-14)22  
**InchiKey:** LDFPXMNJVPETIY-HZMVEIRTS-A-N  
**Formula:** C<sub>17</sub>H<sub>42</sub>O<sub>5</sub>Si<sub>4</sub>  
**SMILES:** C[Si](C)(C)OC1COC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C  
**Mol. weight [g/mol]:** 438.85

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.58		Crippen Method
logp	4.854		Crippen Method
rinpol	1633.00		NIST Webbook
rinpol	1610.00		NIST Webbook
rinpol	1633.00		NIST Webbook
ripol	1543.00		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=R119501&Units=SI>

## Legend

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

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<https://www.chemeo.com/cid/24-653-0/A-Lyxofuranose-TMS.pdf>

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