

# 2-Deoxyribose, MO-TMS

**Inchi:** InChI=1S/C17H43NO4Si4/c1-23(2,3)19-15-17(21-25(7,8)9)16(20-24(4,5)6)13-14-18-22-2  
**InchiKey:** FVEQTMJADYPZPG-NIIBVUOVSA-N  
**Formula:** C17H43NO4Si4  
**SMILES:** C[Si](C)(C)OCC(O[Si](C)(C)C)C(CC=NO[Si](C)(C)C)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 437.87

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.13		Crippen Method
logp	5.505		Crippen Method
rinpol	1570.00		NIST Webbook
rinpol	1570.00		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=R529938&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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<https://www.chemeo.com/cid/40-495-8/2-Deoxyribose-MO-TMS.pdf>

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