

# 2-Deoxy-galactopyranose, tetrakis(trimethylsilyl)

**Other names:** «alpha»-2-Deoxy-D-galactose, pyranose, TMS  
Deoxyglucose, 4tms derivative

**Inchi:** InChI=1S/C18H44O5Si4/c1-24(2,3)19-14-16-18(23-27(10,11)12)15(21-25(4,5)6)13-17(20)18

**InchiKey:** DRXHZYOBMYWXSU-UHFFFAOYSA-N

**Formula:** C<sub>18</sub>H<sub>44</sub>O<sub>5</sub>Si<sub>4</sub>

**SMILES:** C[Si](C)(C)OCC1OC(O[Si](C)(C)C)CC(O[Si](C)(C)C)C1O[Si](C)(C)C

**Mol. weight [g/mol]:** 452.88

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.17		Crippen Method
logp	5.245		Crippen Method
rinpol	1738.00		NIST Webbook
rinpol	1738.00		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=U79295&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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