

D-(-)-Lyxofuranose, tetrakis(trimethylsilyl) ether

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-UHFFFAOYSA-N
Formula: C17H42O5Si4
SMILES: C[Si](C)(C)OCC1OC(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	1640.50		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U380203&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/44-338-8/D-Lyxofuranose-tetrakis-trimethylsilyl-ether.pdf>

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