

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: C17H42O5Si4
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: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R119501&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Legend

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

Latest version available from:

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

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