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-HZMVEIRTSA-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/ci990307l

Legend

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