

«beta»-D(-)-Ribose, furanose, TMS

Inchi: InChI=1S/C16H40O5Si4/c1-22(2,3)18-13-14(19-23(4,5)6)16(21-25(10,11)12)17-15(13)20
InchiKey: MXZIJSMLEIGPCN-SYMSYNOKSA-N
Formula: C16H40O5Si4
SMILES: C[Si](C)(C)OC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
Mol. weight [g/mol]: 424.83

Physical Properties

Property code	Value	Unit	Source
log10ws	4.51		Crippen Method
logp	4.812		Crippen Method
rinpol	1688.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R441011&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

Latest version available from:

<https://www.chemeo.com/cid/10-050-4/beta-D-Ribose-furanose-TMS.pdf>

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