

1,6-Anhydro-2,3-O-isopropylidene-«beta»-D-mannopyranose-trimethylsilyl ether

InChI: InChI=1S/C12H22O5Si/c1-12(2)15-9-8(17-18(3,4)5)7-6-13-11(14-7)10(9)16-12/h7-11H,6
InChIKey: GRMXOTBMTGNDCA-UHFFFAOYSA-N
Formula: C12H22O5Si
SMILES: CC1(C)OC2C3OCC(O3)C(O[Si](C)(C)C)C2O1
Mol. weight [g/mol]: 274.39

Physical Properties

Property code	Value	Unit	Source
log10ws	0.32		Crippen Method
logp	1.482		Crippen Method
rinpol	1523.40		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U380133&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Legend

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

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