

1,5-Anhydroglucitol, TMS

Inchi: InChI=1S/C18H44O5Si4/c1-24(2,3)20-14-15-17(22-26(7,8)9)18(23-27(10,11)12)16(13-19)21
InchiKey: BKZSHWBURUJTUIK-XWTMOSNGSA-N
Formula: C18H44O5Si4
SMILES: C[Si](C)(C)OCC1OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
Mol. weight [g/mol]: 452.88

Physical Properties

Property code	Value	Unit	Source
log10ws	4.66		Crippen Method
logp	4.897		Crippen Method
rinpol	1881.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R298758&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

Latest version available from:

<https://www.chemeo.com/cid/31-099-8/1-5-Anhydroglucitol-TMS.pdf>

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