

B-Sorbofuranose, TMS

Other names: «beta»-Sorbose, TMS
Inchi: InChI=1S/C21H52O6Si5/c1-28(2,3)22-16-18-19(25-30(7,8)9)20(26-31(10,11)12)21(24-15)32
InchiKey: PLNWQGWZBNJIQM-JSXRDJHFSA-N
Formula: C₂₁H₅₂O₆Si₅
SMILES: C[Si](C)(C)OCC1OC(CO[Si](C)(C)C)(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C
Mol. weight [g/mol]: 541.06

Physical Properties

Property code	Value	Unit	Source
log10ws	5.77		Crippen Method
logp	6.076		Crippen Method
rinpol	1846.00		NIST Webbook
rinpol	1822.00		NIST Webbook
rinpol	1822.00		NIST Webbook
ripol	1696.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R45984&Units=SI>

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/39-856-9/B-Sorbofuranose-TMS.pdf>

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