

Maltulose-1, TMS («beta»-furanose)

Inchi: InChI=1S/C35H84O11Si8/c1-47(2,3)36-25-27-28(32(44-52(16,17)18)35(40-27,46-54(22,
InchiKey: KEVQBETVAQKRTI-MKLZDAQBSA-N
Formula: C35H84O11Si8
SMILES: C[Si](C)(C)OCC1OC(CO[Si](C)(C)C)(O[Si](C)(C)C)C(O[Si](C)(C)C)C1OC1OC(O[Si](C)(C)C)
Mol. weight [g/mol]: 905.72

Physical Properties

Property code	Value	Unit	Source
log10ws	8.88		Crippen Method
logp	9.435		Crippen Method
rinpol	2773.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R68099&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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/27-677-1/Maltulose-1-TMS-beta-furanose.pdf>

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