

Lactosucrose: bD-Galp(1->4)-aDGlc(1->2)-bFru, oxime-TMS

Inchi: InChI=1S/C50H118O16Si11/c1-67(2,3)51-34-37-39(56-47-43(62-73(19,20)21)42(61-72(10,11)12)13)14(15)16(17)18(19)20(21)22(23)24(25)26(27)28(29)30(31)32(33)34(35)36(37)38(39)40(41)42(43)44(45)46(47)48(49)50
InchiKey: RMKLDGWZTNPIQO-DFSAKOBESA-N
Formula: C₅₀H₁₁₈O₁₆Si₁₁
SMILES: C[Si](C)(C)OCC1OC(OC2(CO[Si](C)(C)C)OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C2O[Si](C)(C)C
Mol. weight [g/mol]: 1284.40

Physical Properties

Property code	Value	Unit	Source
log10ws	12.06		Crippen Method
logp	12.837		Crippen Method
rinal	3211.00		NIST Webbook
rinal	3211.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R588888&Units=SI>

Legend

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

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