D-Lactose, octakis(trimethylsilyl) ether (isomer 1)

Inchi: InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-27-29(31(43-51(10,11)12)34(46-54(19,20)21)

InchiKey: QJZFVYJIGWEKIR-UHFFFAOYSA-N

Formula: C36H86O11Si8

SMILES: C[Si](C)(C)OCC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1OC1OC(CO[Si](C)

Mol. weight [g/mol]: 919.75

Physical Properties

Property code	Value	Unit	Source
log10ws	8.84		Crippen Method
logp	9.476		Crippen Method
rinpol	2611.80		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U380082&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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/24-503-6/D-Lactose-octakis-trimethylsilyl-ether-isomer-1.pdf

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