

Lactulose, octakis(trimethylsilyl) ether (isomer 1)

Inchi: InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-28-30(43-51(10,11)12)32(44-52(13,14)15)33(16,17)18-20-21-22-23-24-26-27-29-31-34-35-36
InchiKey: GAHZLIHEAJXJMO-UHFFFAOYSA-N
Formula: C₃₆H₈₆O₁₁Si₈
SMILES: C[Si](C)(C)OCC1OC(OC2C(CO[Si](C)(C)C)OC(CO[Si](C)(C)C)(O[Si](C)(C)C)C2O[Si](C)(C)C)O1
Mol. weight [g/mol]: 919.75

Physical Properties

Property code	Value	Unit	Source
log10ws	8.95		Crippen Method
logp	9.478		Crippen Method
rinpol	2586.70		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U380078&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/10-582-4/Lactulose-octakis-trimethylsilyl-ether-isomer-1.pdf>

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