D-(+)-Trehalose, octakis(trimethylsilyl) ether

Other names: «alpha»,«beta»'-Trehalose, 8TMS
Inchi: InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-27-29(42-50(7,8)9)31(44-52(13,14)15)33(46-5
InchiKey: YQFZNYCPHIXROS-UHFFFAOYSA-N
Formula: C36H86O11Si8
SMILES: C[Si](C)(C)OCC1OC(OC2OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C2O[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	2714.60		NIST Webbook
rinpol	2733.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U380438&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