«alpha»-D-Galactopyranoside, 1-O-methyl-2,3,4,6-tetrakis-(O-trimethylsilyl)

Inchi: InChI=1S/C19H46O6Si4/c1-20-19-18(25-29(11,12)13)17(24-28(8,9)10)16(23-27(5,6)7)15

InchiKey: UIDVFSCIFIMDHO-JKEDJMADSA-N

Formula: C19H46O6Si4

SMILES: COC1OC(CO[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]: 482.91

Physical Properties

Property code	Value	Unit	Source
log10ws	4.55		Crippen Method
logp	4.869		Crippen Method
rinpol	2301.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R604094&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