«alpha»-Rhamnose, TMS

Inchi: InChI=1S/C18H44O5Si4/c1-14-15(20-24(2,3)4)16(21-25(5,6)7)17(22-26(8,9)10)18(19-14
InchiKey: QQOFWFOBJUGLLJ-ZBRFXRBCSA-N
Formula: C18H44O5Si4
SMILES: CC1OC(O[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]: 452.88

Physical Properties

Property code	Value	Unit	Source
log10ws	4.05		Crippen Method
logp	5.243		Crippen Method
rinpol	1642.00		NIST Webbook

Sources

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=R154331&Units=SI

Legend

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