Ribonic acid, 2-desoxy-tetrakis-O-(trimethylsilyl)-

Other names: 2-Deoxyribonic acid, tetra-TMS
2-Deoxyribonic acid, tetrakis-TMS

Inchi: InChI=1S/C17H42O5Si4/c1-23(2,3)19-14-16(21-25(7,8)9)15(20-24(4,5)6)13-17(18)22-26

InchiKey: YBBDPOSMYVZLKS-JKSUJKDBSA-N

Formula: C17H42O5Si4

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C(CC(=O)O[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]: 438.85

Physical Properties

Property code	Value	Unit	Source
log10ws	4.51		Crippen Method
logp	5.046		Crippen Method
rinpol	1682.00		NIST Webbook
rinpol	1682.00		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=U149616&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices