d-Ribose, 2,3,4,5-tetrakis-O-(trimethylsilyl)-, O-methyloxime

Other names: D-(-)-Ribose, tetrakis(trimethylsilyl) ether, methyloxime
Inchi: InChI=1S/C18H45NO5Si4/c1-20-19-14-16(22-26(5,6)7)18(24-28(11,12)13)17(23-27(8,9)
InchiKey: ZBEJHGUYYNELJI-UHFFFAOYSA-N
Formula: C18H45NO5Si4
SMILES: CON=CC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(CO[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]: 467.90
CAS: 56196-08-8

Physical Properties

Property code	Value	Unit	Source
log10ws	4.51		Crippen Method
logp	5.130		Crippen Method
rinpol	1668.20		NIST Webbook
rinpol	1668.20		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C56196088&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

Latest version available from:
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