D-(-)-Ribose, tetrakis(trimethylsilyl) ether, trimethylsilyloxime (isomer 1)

Inchi: InChI=1S/C20H51NO5Si5/c1-27(2,3)22-17-19(24-29(7,8)9)20(25-30(10,11)12)18(23-28(

InchiKey: NJVTYWBFPZLKGN-UHFFFAOYSA-N

Formula: C20H51NO5Si5

SMILES: C[Si](C)(C)OCC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(C=NO[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]: 526.05

Physical Properties

Property code	Value	Unit	Source
log10ws	5.62		Crippen Method
logp	6.335		Crippen Method
rinpol	1769.70		NIST Webbook
rinpol	1769.70		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U380392&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