L-(+)-Threose, tris(trimethylsilyl) ether, trimethylsilyloxime (isomer 1)

Inchi: InChI=1S/C16H41NO4Si4/c1-22(2,3)18-14-16(20-24(7,8)9)15(19-23(4,5)6)13-17-21-25(1

InchiKey: HMXNXISWLOINBS-UHFFFAOYSA-N

Formula: C16H41NO4Si4

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

Mol. weight [g/mol]: 423.84

Physical Properties

Property code	Value	Unit	Source
log10ws	4.55		Crippen Method
logp	5.115		Crippen Method
rinpol	1541.70		NIST Webbook
rinpol	1541.70		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U380404&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