

# Mannose, 6-deoxy-2,3,4,5-tetrakis-O-(trimethylsilyl)-, L-

Other names:

Rhamnose, tetrakis-TMS

Inchi: InChI=1S/C18H44O5Si4/c1-15(20-24(2,3)4)17(22-26(8,9)10)18(23-27(11,12)13)16(14-19)

InchiKey: HZBOSAPUGYAKKA-UHFFFAOYSA-N

Formula: C18H44O5Si4

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

Mol. weight [g/mol]: 452.88

CAS: 19127-15-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	4.36		Crippen Method
logp	5.086		Crippen Method
rinpola	1657.00		NIST Webbook
rinpola	1657.00		NIST Webbook

## Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C19127152&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method: [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpola:** Non-polar retention indices

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