

# d-Mannose, 2,3,4,5,6-pentakis-O-(trimethylsilyl)-, o-methyloxime, (1E)-

Other names

D-(+)-Mannose, pentakis(trimethylsilyl) ether, methyloxime (anti)

Inchi: InChI=1S/C22H55NO6Si5/c1-24-23-17-19(26-31(5,6)7)21(28-33(11,12)13)22(29-34(14,15)16)35

InchiKey: LLVFXKDPAPSCJ-UHFFFAOYSA-N

Formula: C22H55NO6Si5

SMILES: CON=CC(O[Si](C)(C)C)C(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]: 570.10

CAS: 128705-61-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	5.59		Crippen Method
logp	6.350		Crippen Method
rinpol	1885.30		NIST Webbook

## Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C128705613&Units=SI>

## Legend

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

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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