

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

Other names

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

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: 128705-67-9

Physical Properties

Property code	Value	Unit	Source
log10ws	5.59		Crippen Method
logp	6.350		Crippen Method
rinpola	1872.10		NIST Webbook
rinpola	1872.10		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C128705679&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

rinpola: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/47-792-1/d-Mannose-2-3-4-5-6-pentakis-O-trimethylsilyl-o-methyloxime-1Z.pdf>

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