

Mannose, 2,3,4,5,6-pentakis-O-(trimethylsilyl)-, D-

Other names:

D-Mannose, 2,3,4,5,6-pentakis-O-(trimethylsilyl)-

D-Mannose, pentakis-TMS

B-D-Mannose, TMS

A-D-Mannose, TMS

Mannose, pentakis-TMS

Inchi:

InChI=1S/C21H52O6Si5/c1-28(2,3)23-17-19(25-30(7,8)9)21(27-32(13,14)15)20(26-31(10

InchiKey:

PPTMWEDTYQRQBC-UHFFFAOYSA-N

Formula:

C₂₁H₅₂O₆Si₅

SMILES:

C[Si](C)(C)OCC(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]:

541.06

CAS:

6736-99-8

Physical Properties

Property code	Value	Unit	Source
log10ws	5.97		Crippen Method
logp	5.917		Crippen Method
rinsol	1844.00		NIST Webbook
rinsol	1844.00		NIST Webbook

Sources

Crippen Method:

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

Crippen Method:

https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C6736998&Units=SI>

Legend

log10ws:

Log10 of Water solubility in mol/l

logp:

Octanol/Water partition coefficient

rinsol:

Non-polar retention indices

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