«alpha»-D-Mannopyranose, 1,2,3,4,6-pentakis-O-(trimethylsilyl)-

Other names: Mannopyranoside, trimethylsilyl 2,3,4,6-tetrakis-O-(trimethylsilyl)-, «alpha»-D-«alpha»-D-(+)-Mannopyranose, pentakis(trimethylsilyl) ether

Inchi: InChI=1S/C21H52O6Si5/c1-28(2,3)22-16-17-18(24-29(4,5)6)19(25-30(7,8)9)20(26-31(10

InchiKey: PPFHNIVPOLWPCF-UHFFFAOYSA-N

Formula: C21H52O6Si5

SMILES: C[Si](C)(C)OCC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](C)(C)C

Mol. weight [g/mol]: 541.06

CAS: 24707-99-1

Physical Properties

Property code	Value	Unit	Source
log10ws	5.66		Crippen Method
logp	6.075		Crippen Method
rinpol	1793.60		NIST Webbook
rinpol	1793.60		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C24707991&Units=SI

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

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.