

1-Deoxy-1-(methylamino)-D-galactitol, pentakis(trimethylsilyl) ether

Inchi: InChI=1S/C22H57NO5Si5/c1-23-17-19(25-30(5,6)7)21(27-32(11,12)13)22(28-33(14,15)16)24(34-35(18,19)20)26(36-37(21,22)38)39(40,41)42
InchiKey: IHHUNIFRXUVCSB-UHFFFAOYSA-N
Formula: C22H57NO5Si5
SMILES: CNCC(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]: 556.12

Physical Properties

Property code	Value	Unit	Source
log10ws	5.64		Crippen Method
logp	5.938		Crippen Method
rinpol	1888.40		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U380327&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

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<https://www.cheméo.com/cid/56-172-9/1-Deoxy-1-methylamino-D-galactitol-pentakis-trimethylsilyl-ether.pdf>

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