D-Mannitol, 1,2,3,4,5,6-hexakis-O-(trimethylsilyl)-

Other names: Mannitol, hexakis-O-(trimethylsilyl)-, D-
1,2,3,4,5,6-Hexakis-O-(trimethylsilyl)mannitol-, (D)-
D-Mannitol, hexakis-TMS
Mannitol, (6TMS)-
Mannitol, TMS
Mannitol, hexakis-TMS
D-Mannitol, hexakis(trimethylsilyl) ether
D-mannitol, 6tms derivative

Inchi: InChI=1S/C24H62O6Si6/c1-31(2,3)25-19-21(27-33(7,8)9)23(29-35(13,14)15)24(30-36(16

InchiKey: USBJDBWAPKNPCK-MOUTVQLLSA-N

Formula: C24H62O6Si6

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

Mol. weight [g/mol]: 615.26

CAS: 14317-07-8

Physical Properties

Property code	Value	Unit	Source
log10ws	6.85		Crippen Method
logp	7.570		Crippen Method
rinpol	1969.00		NIST Webbook
rinpol	1925.80		NIST Webbook
rinpol	1927.70		NIST Webbook
rinpol	1958.00		NIST Webbook
rinpol	1919.00		NIST Webbook
rinpol	1975.00		NIST Webbook
rinpol	1973.00		NIST Webbook
rinpol	1912.30		NIST Webbook
rinpol	1975.00		NIST Webbook
rinpol	1979.00		NIST Webbook
rinpol	1975.00		NIST Webbook
rinpol	1919.00		NIST Webbook
rinpol	1912.30		NIST Webbook
rinpol	1973.00		NIST Webbook
rinpol	1993.60		NIST Webbook
rinpol	1979.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C14317078&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
rinpol:	Non-polar retention indices