myo-Inositol, 1,2,3,4,5,6-hexakis-O-(trimethylsilyl)-

Other names: Inositol, 1,2,3,4,5,6-hexakis-O-(trimethylsilyl)-, myo-
myo-Inositol (6TMS)
mio-Inositol, hexakis-TMS
Myoinositol TMS
INOSITOL 6TMS
myo-Inositol, hexakis(trimethylsilyl) ether
Inositol (myo-Inositol), TMS
Myo-inositol, 6tms derivative

Inchi: InChI=1S/C24H60O6Si6/c1-31(2,3)25-19-20(26-32(4,5)6)22(28-34(10,11)12)24(30-36(16

InchiKey: FRTKXRNTVMCAKI-UHFFFAOYSA-N

Formula: C24H60O6Si6

SMILES: C[Si](C)(C)OC1C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1O[Si](

Mol. weight [g/mol]: 613.24

CAS: 2582-79-8

Physical Properties

Property code	Value	Unit	Source
log10ws	6.74		Crippen Method
logp	7.321		Crippen Method
rinpol	2130.00		NIST Webbook
rinpol	2073.70		NIST Webbook
rinpol	2083.70		NIST Webbook
rinpol	2096.00		NIST Webbook
rinpol	2136.00		NIST Webbook
rinpol	2153.00		NIST Webbook
rinpol	2129.00		NIST Webbook
rinpol	2152.00		NIST Webbook
rinpol	2130.00		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C2582798&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