

MALTOSE (8TMS)

Other names:	«alpha»-Maltose TMS Maltose, TMS Maltose, octakis(trimethylsilyl)-
Inchi:	InChI=1S/C36H86O11Si8/c1-48(2,3)37-25-27-29(31(43-51(10,11)12)34(46-54(19,20)21)
InchiKey:	QJZFYVYJIGWEKIR-UHFFFAOYSA-N
Formula:	C36H86O11Si8
SMILES:	C[Si](C)(C)OCC1OC(O[Si](C)(C)C)C(O[Si](C)(C)C)C(O[Si](C)(C)C)C1OC1OC(CO[Si](C)(C)C)C
Mol. weight [g/mol]:	919.75
CAS:	19945-84-7

Physical Properties

Property code	Value	Unit	Source
log10ws	8.84		Crippen Method
logp	9.476		Crippen Method
rinpol	2728.80		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C19945847&Units=SI

Legend

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

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