

GLUCOSE (MEOX 5TMS)-1

Other names:	Glucose, 1-MO, 5TMS, BP
Inchi:	InChI=1S/C22H55NO6Si5/c1-24-23-17-19(26-31(5,6)7)21(28-33(11,12)13)22(29-34(14,15)16)20(35-36(37,38)39)40
InchiKey:	LLVFXXKDPAPSCJ-DXBBTUNJSA-N
Formula:	C22H55NO6Si5
SMILES:	CON=CC(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]:	570.10

Physical Properties

Property code	Value	Unit	Source
log10ws	5.59		Crippen Method
logp	6.350		Crippen Method
rinpol	1885.20		NIST Webbook
rinpol	1899.00		NIST Webbook
rinpol	1899.00		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R414589&Units=SI

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/31-394-0/GLUCOSE-MEOX-5TMS-1.pdf>

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