

GALACTOSE (MEOX 5TMS)-1

Other names:	Galactose, MO-TMS, I
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(17,18)O
InchiKey:	LLVFXXKDPAPSCJ-CBPXPLCBSA-N
Formula:	C ₂₂ H ₅₅ NO ₆ Si ₅
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	1886.60		NIST Webbook
rinpol	1945.00		NIST Webbook
rinpol	1955.00		NIST Webbook
rinpol	1945.00		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=R414534&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/66-886-6/GALACTOSE-MEOX-5TMS-1.pdf>

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