Propane, 1,2,3-tris[(tert-butyldimethylsilyl)oxy]-

Other names:	Glycerol triTBDMS
	Glycerol, 3tbdms derivative
Inchi:	InChI=1S/C21H50O3Si3/c1-19(2,3)25(10,11)22-16-18(24-27(14,15)21(7,8)9)17-23-26(12
InchiKey:	NYTUTBJBHQVPGT-UHFFFAOYSA-N
Formula:	C21H50O3Si3
SMILES:	CC(C)(C)[Si](C)(C)OCC(CO[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	434.88
CAS:	82112-23-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.14		Crippen Method
logp	7.420		Crippen Method
rinpol	1883.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C82112230&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

Latest version available from:

https://www.chemeo.com/cid/42-393-9/Propane-1-2-3-tris-tert-butyldimethylsilyl-oxy.pdf

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