Pentanedioic acid, 3-[(tert-butyldimethylsilyl)oxy]-3-methyl-, bis(tert-butyldimethylsilyl) ester

Other names:	3-Hydroxy-3-methylglutaric acid, viTBDMS
	3-Hydroxy-3-methylglutarate, TBDMS
	3-Hydroxy-3-methylglutaric acid, TBDMS
	Meglutol, 3tbdms derivative
Inchi:	InChI=1S/C24H52O5Si3/c1-21(2,3)30(11,12)27-19(25)17-24(10,29-32(15,16)23(7,8)9)18
InchiKey:	JINZCJWKPQVMQZ-UHFFFAOYSA-N
Formula:	C24H52O5Si3
SMILES:	CC(CC(=O)O[Si](C)(C)C(C)(C)C)(CC(=O)O[Si](C)(C)C(C)(C)C)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	504.92

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.95		Crippen Method
logp	7.644		Crippen Method
rinpol	2252.00		NIST Webbook
rinpol	2252.00		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=U221781&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/47-457-3/Pentanedioic-acid-3-tert-butyldimethylsilyl-oxy-3-methyl-bis-tert-butyldimethyls