1-Monooleoylglycerol trimethylsilyl ether

Other names:	9-Octadecenoic acid (Z)-, 2,3-bis[(trimethylsilyl)oxy]propyl ester
	2,3-Bis[(trimethylsilyl)oxy]propyl (9Z)-9-octadecenoate
	Oleic acid, 2,3-bis-(OTMS)propyl ester
	monoolein TMS
	Oleic acid, 2,3-bis-(OTMS) propyl ester («alpha»-glyceryl oleate)
	1-Monooleoylglycerol, 2tms derivative
Inchi:	InChI=1S/C27H56O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-27(28)29-2
InchiKey:	NWNDCIXVALUZHH-FOCLMDBBSA-N
Formula:	C27H56O4Si2
SMILES:	CCCCCCCCC=CCCCCCCCC(=O)OCC(CO[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]:	500.90
CAS:	54284-47-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.23		Crippen Method
logp	8.639		Crippen Method
rinpol	2779.00		NIST Webbook
rinpol	2784.00		NIST Webbook
rinpol	2788.00		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=C54284478&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

rinpol: Non-polar retention indices