Myristic acid, 2-(trimethylsiloxy)-1-[(trimethylsiloxy)methyl]ethyl ester

Othernames: 2-[(Trimethylsilyl)oxy]-1-([(trimethylsilyl)oxy]methyl)ethyl myristate
Tetradecanoic acid, 1,3-bis-(OTMS)-2-propyl ester
Tetradecanoic acid, 1,3-bis-(OTMS) propyl ester («beta»-glyceryl myristate)
2-Monomyristin, 2tms derivative

Inchi: InChI=1S/C23H50O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-23(24)27-22(20-25-28(2

InchiKey: YDASQGBHNHGOSK-UHFFFAOYSA-N

Formula: C23H50O4Si2

SMILES: CCCCCCCCCCCCCC(=O)OC(CO[Si](C)(C)C)CO[Si](C)(C)C

Mol. weight [g/mol]: 446.81

CAS: 14473-56-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-2.70		Crippen Method
logp	7.302		Crippen Method
rinpol	2389.00		NIST Webbook
rinpol	2385.00		NIST Webbook
rinpol	2389.00		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=C14473564&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices