

Hexadecanoic acid, 1-[[trimethylsilyloxy]methyl]-1,2-ethanediyl ester

Other names:

Glycerol, 1,2-dipalmitate, 3-O-TMS-

1,2-Dipalmitoyl-3-trimethylsilyl-glycerol

Glycerol, 1-C16, 2-C16, TMS

1,2-Dipalmitin, tms derivative

Inchi: InChI=1S/C38H76O5Si/c1-6-8-10-12-14-16-18-20-22-24-26-28-30-32-37(39)41-34-36(35)

InchiKey: VMCHTNYVHHNIHA-UHFFFAOYSA-N

Formula: C38H76O5Si

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

Mol. weight [g/mol]: 641.09

CAS: 53212-93-4

Physical Properties

Property code	Value	Unit	Source
log10ws	-10.70		Crippen Method
logp	12.255		Crippen Method
rinpol	3898.00		NIST Webbook
rinpol	3894.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C53212934&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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