

# Tetracosanoic acid, 2-[(trimethylsilyl)oxy]-, methyl ester

Other names:

Methyl lignocerate, 2-trimethylsiloxy  
«alpha»-Hydroxylignoceric acid, TMS ether, methyl ester  
«alpha»-Hydroxylignoceric acid, TMSi-Me  
Methyl 2-hydroxytetracosanoate, tms derivative

Inchi:

InChI=1S/C28H58O3Si/c1-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-2

InchiKey:

IBDXNSNFZWQOOS-UHFFFAOYSA-N

Formula:

C28H58O3Si

SMILES:

CCCCCCCCCCCCCCCCCCCCCCCC(O[Si](C)(C)C)C(=O)OC

Mol. weight [g/mol]:

470.84

CAS:

56784-04-4

## Physical Properties

Property code	Value	Unit	Source
log10ws	-7.66		Crippen Method
logp	9.592		Crippen Method
rinpol	2914.00		NIST Webbook

## Sources

Crippen Method:

[https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C56784044&Units=SI>

Crippen Method:

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

## 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/14-546-0/Tetracosanoic-acid-2-trimethylsilyl-oxy-methyl-ester.pdf>

Generated by Cheméo on 2024-04-20 03:10:04.02021619 +0000 UTC m=+15871852.940793505.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.