

Tetradecanoic acid, trimethylsilyl ester

Other names:

Trimethylsilyl ester of tetradecanoic acid
n-Tetradecanoic acid, trimethylsilyl ester
Trimethylsilyl myristate
Tetradecanoic acid, TMS
Tetradecanoic acid, TMS ester
Myristic acid, trimethylsilyl ester
Myristic acid, tms derivative

Inchi: InChI=1S/C17H36O2Si/c1-5-6-7-8-9-10-11-12-13-14-15-16-17(18)19-20(2,3)4/h5-16H2,1**InchiKey:** ZRVCKPDUOGAPSZ-UHFFFAOYSA-N**Formula:** C17H36O2Si**SMILES:** CCCCCCCCCCCCCC(=O)O[Si](C)(C)C**Mol. weight [g/mol]:** 300.55**CAS:** 18603-17-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.85		Crippen Method
logp	6.066		Crippen Method
rinpol	1844.00		NIST Webbook
rinpol	1848.00		NIST Webbook
rinpol	1850.00		NIST Webbook
rinpol	1844.00		NIST Webbook
rinpol	1850.00		NIST Webbook
rinpol	1845.00		NIST Webbook
rinpol	1843.20		NIST Webbook
rinpol	1845.00		NIST Webbook
rinpol	1840.00		NIST Webbook
rinpol	1842.12		NIST Webbook
rinpol	1850.00		NIST Webbook
rinpol	1861.00		NIST Webbook
rinpol	1850.00		NIST Webbook
rinpol	1850.00		NIST Webbook
rinpol	1851.00		NIST Webbook
rinpol	1850.00		NIST Webbook
rinpol	1853.00		NIST Webbook
rinpol	1842.12		NIST Webbook
rinpol	1850.00		NIST Webbook

rropol

1843.20

NIST Webbook

rropol

1845.00

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=C18603173&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rropol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/120-123-1/Tetradecanoic-acid-trimethylsilyl-ester.pdf>

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