

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:	CCCCCCCCCCCCC(=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	1850.00		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	1845.00		NIST Webbook
rinpol	1848.00		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
rinpol	1843.20		NIST Webbook

rropol 1844.00

NIST Webbook

rropol 1842.12

NIST Webbook

Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18603173&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

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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