

# 7-Trimethylsilyloxyoctanoic acid, trimethylsilyl ester

Other names:

Octanoic acid, 7-hydroxy, di-TMS

Octanoic acid, 7-trimethylsilyloxy, trimethylsilyl ester

7-Hydroxyoctanoic acid, diTMS

Inchi: InChI=1S/C14H32O3Si2/c1-13(16-18(2,3)4)11-9-8-10-12-14(15)17-19(5,6)7/h13H,8-12H

InchiKey: FXUUKLLEDPMOAB-UHFFFAOYSA-N

Formula: C14H32O3Si2

SMILES: CC(CCCCCC(=O)O[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]: 304.57

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.15		Crippen Method
logp	4.555		Crippen Method
rmpol	1551.00		NIST Webbook
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rmpol	1551.00		NIST Webbook
rmpol	1555.00		NIST Webbook

## Sources

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

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U79529&Units=SI>

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rmpol: Non-polar retention indices

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<https://www.chemeo.com/cid/115-151-6/7-Trimethylsilyloxyoctanoic-acid-trimethylsilyl-ester.pdf>

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