

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

<b>Other names:</b>	Propionic acid, 2-(trimethylsiloxy)-, trimethylsilyl ester Bis(trimethylsilyl)lactate Lactic acid, bis(trimethylsilyl)oxy-, ester 2-Trimethylsilyloxypropionic acid,trimethylsilyl ester Trimethylsilyl 2-[(trimethylsilyl)oxy]propanoate Lactic acid, bis-TMS Lactic acid, di-TMS Lactic acid, O,O-TMS Lactic acid, (2TMS) Lactic acid, TMS Lactate, TMS Lactic acid, 2tms derivative
<b>Inchi:</b>	InChI=1S/C9H22O3Si2/c1-8(11-13(2,3)4)9(10)12-14(5,6)7/h8H,1-7H3
<b>InchiKey:</b>	HXRGKEOWDNVHPA-UHFFFAOYSA-N
<b>Formula:</b>	C9H22O3Si2
<b>SMILES:</b>	CC(O[Si](C)(C)C)C(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	234.44
<b>CAS:</b>	17596-96-2

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.25		Crippen Method
logp	2.604		Crippen Method
rinpol	1058.00		NIST Webbook
rinpol	1061.00		NIST Webbook
rinpol	1065.00		NIST Webbook
rinpol	1064.00		NIST Webbook
rinpol	1066.00		NIST Webbook
rinpol	1059.00		NIST Webbook
rinpol	1066.00		NIST Webbook
rinpol	1066.00		NIST Webbook
rinpol	1058.00		NIST Webbook
rinpol	1065.00		NIST Webbook
rinpol	1086.00		NIST Webbook
rinpol	1057.00		NIST Webbook
rinpol	1061.00		NIST Webbook
rinpol	1057.00		NIST Webbook

rropol	1067.00	NIST Webbook
rropol	1067.00	NIST Webbook
rropol	1066.00	NIST Webbook
rropol	1066.00	NIST Webbook
rropol	1065.00	NIST Webbook
rropol	1058.00	NIST Webbook
rropol	1066.00	NIST Webbook
rropol	1066.00	NIST Webbook
rropol	1068.00	NIST Webbook
rropol	1064.00	NIST Webbook
rropol	1058.00	NIST Webbook
rropol	1086.00	NIST Webbook
rropol	1060.00	NIST Webbook
rropol	1068.00	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=C17596962&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  
**rropol:** Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/60-985-2/Propanoic-acid-2-trimethylsilyl-oxy-trimethylsilyl-ester.pdf>

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