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

Other names:	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
Inchi:	InChI=1S/C9H22O3Si2/c1-8(11-13(2,3)4)9(10)12-14(5,6)7/h8H,1-7H3
InchiKey:	HXRGKEOWDNVHPA-UHFFFAOYSA-N
Formula:	C9H22O3Si2
SMILES:	CC(O[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	234.44
CAS:	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

rinpol	1067.00	NIST Webbook
rinpol	1067.00	NIST Webbook
rinpol	1066.00	NIST Webbook
rinpol	1066.00	NIST Webbook
rinpol	1065.00	NIST Webbook
rinpol	1058.00	NIST Webbook
rinpol	1066.00	NIST Webbook
rinpol	1066.00	NIST Webbook
rinpol	1068.00	NIST Webbook
rinpol	1064.00	NIST Webbook
rinpol	1058.00	NIST Webbook
rinpol	1086.00	NIST Webbook
rinpol	1060.00	NIST Webbook
rinpol	1068.00	NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C17596962&Units=SI

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

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

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/60-985-2/Propanoic-acid-2-trimethylsilyl-oxy-trimethylsilyl-ester.pdf

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