

D-(-)-Lactic acid, trimethylsilyl ether, trimethylsilyl ester

Other names:	Trimethylsilyl (2R)-2-[(trimethylsilyl)oxy]propanoate D-(-)-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

Physical Properties

Property code	Value	Unit	Source
log10ws	2.25		Crippen Method
logp	2.604		Crippen Method
rinpol	1054.40		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=U333991&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

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<https://www.chemeo.com/cid/70-523-3/D-Lactic-acid-trimethylsilyl-ether-trimethylsilyl-ester.pdf>

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