# L-(+)-Lactic acid, trimethylsilyl ether, trimethylsilyl ester

**Other names:** L-(+)-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 | 1055.10 | | NIST Webbook |
| rinpol | 1055.10 | | NIST Webbook |

## Sources

**NIST Webbook:** http://webbook.nist.gov/cgi/cbook.cgi?ID=U333995&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

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