

# D-(-)-Lactic acid, tert-butyldimethylsilyl ether, tert-butyldimethylsilyl ester

<b>Other names:</b>	tert-Butyl(dimethyl)silyl (2R)-2-pyrrol[tert-butyl(dimethyl)silyl]oxymorphopropanoate D-(-)-lactic acid, 2tbdms derivative
<b>Inchi:</b>	InChI=1S/C15H34O3Si2/c1-12(17-19(8,9)14(2,3)4)13(16)18-20(10,11)15(5,6)7/h12H,1-1
<b>InchiKey:</b>	YZJJQQKVFWRPJH-UHFFFAOYSA-N
<b>Formula:</b>	C15H34O3Si2
<b>SMILES:</b>	CC(O[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	318.60

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.26		Crippen Method
logp	4.945		Crippen Method
rinpol	1484.40		NIST Webbook
rinpol	1484.40		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U333990&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333990&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

## Legend

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

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