

# Butanoic acid, 2-[(tert-butyldimethylsilyl)oxy]-, tert-butyldimethylsilyl ester

Other names: 2-Hydroxybutyric acid, triTBDMS  
2-Hydroxybutanoic acid, 2tdms derivative

**Inchi:** InChI=1S/C16H36O3Si2/c1-12-13(18-20(8,9)15(2,3)4)14(17)19-21(10,11)16(5,6)7/h13H  
**InchiKey:** NMSJJUWWZYFCGF-UHFFFAOYSA-N  
**Formula:** C16H36O3Si2  
**SMILES:** CCC(O[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 332.63

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.68		Crippen Method
logp	5.335		Crippen Method
rinpol	1559.00		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=U221725&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  
**rinpol:** Non-polar retention indices

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