

# Butanoic acid, 3-[(trimethylsilyl)oxy]-, trimethylsilyl ester

<b>Other names:</b>	«beta»-Hydroxybutyric acid (2TMS) 3-Trimethylsilyloxybutyric acid, trimethylsilyl ester 3-Hydroxybutanoic acid, bis-TMS 3-Hydroxybutyric acid, diTMS Butanoic acid, 3-hydroxy, bis-TMS Butanoic acid, 3-hydroxy, di-TMS Butanoic acid, 3-hydroxy, TMS 3-Hydroxybutyric acid, TMS 3-Hydroxybutyric acid, 2tms derivative
<b>Inchi:</b>	InChI=1S/C10H24O3Si2/c1-9(12-14(2,3)4)8-10(11)13-15(5,6)7/h9H,8H2,1-7H3
<b>InchiKey:</b>	YWRIHOYCAHATJN-UHFFFAOYSA-N
<b>Formula:</b>	C10H24O3Si2
<b>SMILES:</b>	CC(CC(=O)O[Si](C)(C)C)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	248.47
<b>CAS:</b>	55133-94-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.83		Crippen Method
logp	2.995		Crippen Method
rinpol	1160.00		NIST Webbook
rinpol	1163.00		NIST Webbook
rinpol	1163.00		NIST Webbook
rinpol	1166.00		NIST Webbook
rinpol	1166.00		NIST Webbook
rinpol	1160.00		NIST Webbook
rinpol	1167.00		NIST Webbook
rinpol	1160.00		NIST Webbook
rinpol	1164.00		NIST Webbook
rinpol	1160.00		NIST Webbook
rinpol	1167.00		NIST Webbook
rinpol	1167.00		NIST Webbook
rinpol	1173.00		NIST Webbook
rinpol	1164.00		NIST Webbook
rinpol	1167.00		NIST Webbook
rinpol	1160.00		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=C55133943&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307I>

# Legend

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

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