

# Butanedioic acid, 2,2-dimethyl-, bis(trimethylsilyl) ester

**Other names:** 2,2-Dimethylsuccinic acid, bis(trimethylsilyl)-, ester  
2,2-Dimethylsuccinic acid, 2tms derivative

**Inchi:** InChI=1S/C12H26O4Si2/c1-12(2,11(14)16-18(6,7)8)9-10(13)15-17(3,4)5/h9H2,1-8H3

**InchiKey:** KQLWYCDSDQLOOZ-UHFFFAOYSA-N

**Formula:** C12H26O4Si2

**SMILES:** CC(C)(CC(=O)O[Si](C)(C)C)C(=O)O[Si](C)(C)C

**Mol. weight [g/mol]:** 290.50

**CAS:** 55530-54-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.57		Crippen Method
logp	3.159		Crippen Method
rinpol	1317.00		NIST Webbook
rinpol	1320.00		NIST Webbook
rinpol	1317.00		NIST Webbook
rinpol	1320.00		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=C55530546&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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