

# Pentanedioic acid, 2-methyl-, bis(trimethylsilyl) ester

**Other names:** 2-Methylglutaric acid, bis(trimethylsilyl)- ester

2-Methylglutaric acid, 2tms derivative

**Inchi:** InChI=1S/C12H26O4Si2/c1-10(12(14)16-18(5,6)7)8-9-11(13)15-17(2,3)4/h10H,8-9H2,1-7

**InchiKey:** GRKPITUYBIOOJQ-UHFFFAOYSA-N

**Formula:** C12H26O4Si2

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

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

**CAS:** 55530-53-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	1.57		Crippen Method
logp	3.159		Crippen Method
rinpol	1407.00		NIST Webbook
rinpol	1417.00		NIST Webbook
rinpol	1423.00		NIST Webbook
rinpol	1423.00		NIST Webbook
rinpol	1407.00		NIST Webbook
rinpol	1423.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C55530535&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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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