

# Propanedioic acid, methyl-, bis(tert-butyldimethylsilyl) ester

Other names:

Methylmalonic acid, bis-TBDMS

Methylmalonic acid, diTBDMS

Methylmalonic acid, bis-TBDMS ester

Methylmalonic acid, TBDMS

Methylmalonate, TBDMS

Methylmalonic acid, DMTBS

Methylmalonic acid, 2tdms derivative

**Inchi:** InChI=1S/C16H34O4Si2/c1-12(13(17)19-21(8,9)15(2,3)4)14(18)20-22(10,11)16(5,6)7/h1

**InchiKey:** XSEWCMKKCMQVOE-UHFFFAOYSA-N

**Formula:** C16H34O4Si2

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

**Mol. weight [g/mol]:** 346.61

**CAS:** 98830-29-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.11		Crippen Method
logp	4.719		Crippen Method
rinpol	1660.00		NIST Webbook
rinpol	1660.00		NIST Webbook
rinpol	1648.90		NIST Webbook
rinpol	1657.00		NIST Webbook
rinpol	1656.57		NIST Webbook
rinpol	1658.00		NIST Webbook
rinpol	1648.90		NIST Webbook
rinpol	1660.00		NIST Webbook
rinpol	1657.00		NIST Webbook

## Sources

**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)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C98830296&Units=SI>

# 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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