

# Bis(dimethyl-t-butylsilyl) malonate

<b>Other names:</b>	Propanedioic acid, bis(tert-butyldimethylsilyl) ester Malonic acid, bis-TBDMS Malonic acid, diTBDMS Malonic acid, bis-TBDMS ester Malonic acid, TBDMS Malonic acid, DMTBS Propanedioic acid, 2tdms derivative
<b>Inchi:</b>	InChI=1S/C15H32O4Si2/c1-14(2,3)20(7,8)18-12(16)11-13(17)19-21(9,10)15(4,5)6/h11H
<b>InchiKey:</b>	KSYBDZGPOBPAMS-UHFFFAOYSA-N
<b>Formula:</b>	C15H32O4Si2
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)OC(=O)CC(=O)O[Si](C)(C)C(C)(C)C
<b>Mol. weight [g/mol]:</b>	332.58
<b>CAS:</b>	98830-30-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	0.07		Crippen Method
logp	4.473		Crippen Method
rinpol	1640.00		NIST Webbook
rinpol	1604.00		NIST Webbook
rinpol	1641.00		NIST Webbook
rinpol	1645.00		NIST Webbook
rinpol	1645.00		NIST Webbook
rinpol	1641.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C98830309&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C98830309&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>

# Legend

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

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