

# Bis(dimethyl-t-butylsilyl) succinate

**Other names:**

Butanedioic acid, bis[(tert-butyl)dimethylsilyl] ester

Succinic acid, bis-DMTBS

Succinic acid, bis-TBDMS

Succinic acid, bis(tert-butyl)dimethylsilyl ester

Succinic acid, diTBDMS

Succinic acid, bis-TBDMS ester

Succinic acid, TBDMS

Succinic acid, DMTBS

Succinate, TBDMS

Bis[tert-butyl(dimethyl)silyl] succinate

Butanedioic acid, 2tbdms derivative

**Inchi:** InChI=1S/C16H34O4Si2/c1-15(2,3)21(7,8)19-13(17)11-12-14(18)20-22(9,10)16(4,5)6/h1**InchiKey:** XQWHUDQRNDFVPG-UHFFFAOYSA-N**Formula:** C16H34O4Si2**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)CCC(=O)O[Si](C)(C)C(C)(C)C**Mol. weight [g/mol]:** 346.61**CAS:** 98847-52-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.35		Crippen Method
logp	4.863		Crippen Method
rinpol	1760.00		NIST Webbook
rinpol	1760.00		NIST Webbook
rinpol	1754.30		NIST Webbook
rinpol	1739.00		NIST Webbook
rinpol	1759.00		NIST Webbook
rinpol	1743.00		NIST Webbook
rinpol	1758.00		NIST Webbook
rinpol	1754.30		NIST Webbook
rinpol	1760.00		NIST Webbook
rinpol	1758.00		NIST Webbook

# Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>  
**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=C98847520&Units=SI>

# Legend

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

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