

# Sebacic acid, bis(trimethylsilyl) ester

**Other names:**

Sebacic acid (bis-TMS)  
Sebacic acid, di(trimethylsilyl) ester  
Bis(trimethylsilyl) sebacate  
1,10-Decanedioic acid, bis(trimethylsilyl) ester  
1,8-Octanedicarboxylic acid, bis(trimethylsilyl) ester  
Decadioic acid, bis-TMS  
Decanedioic acid, bis-trimethylsilyl ester  
Decanedioic acid, diTMS  
Decanedioic acid, bis-TMS ester  
Sebacic acid diTMS  
Sebacic acid (tms)  
Decanedioic acid, TMS ester  
Decanedioic acid, TMS  
Sebacic acid, 2tms derivative

**Inchi:**

InChI=1S/C16H34O4Si2/c1-21(2,3)19-15(17)13-11-9-7-8-10-12-14-16(18)20-22(4,5)6/h7

**InchiKey:**

BDACUOPQFMCPLO-UHFFFAOYSA-N

**Formula:**

C<sub>16</sub>H<sub>34</sub>O<sub>4</sub>Si<sub>2</sub>

**SMILES:**

C[Si](C)(C)OC(=O)CCCCCCCC(=O)O[Si](C)(C)C

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

346.61

**CAS:**

18408-42-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.35		Crippen Method
logp	4.863		Crippen Method
rinpol	1899.00		NIST Webbook
rinpol	1886.00		NIST Webbook
rinpol	1894.00		NIST Webbook
rinpol	1904.00		NIST Webbook
rinpol	1890.00		NIST Webbook
rinpol	1884.00		NIST Webbook
rinpol	1920.00		NIST Webbook
rinpol	1905.00		NIST Webbook
rinpol	1904.00		NIST Webbook
rinpol	1889.00		NIST Webbook
rinpol	1904.00		NIST Webbook
rinpol	1920.00		NIST Webbook

rmpol	1890.00	NIST Webbook
rmpol	1905.00	NIST Webbook
rmpol	1890.00	NIST Webbook

## Sources

**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C18408429&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

## Legend

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

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