

# Octanedioic acid, bis(tert-butyldimethylsilyl) ester

**Other names:**

Octanedioic acid, bis[(1,1-dimethylethyl)dimethylsilyl] ester

Suberic acid, bis(tert-butyldimethylsilyl) ester

Suberic acid, diTBDMS

Suberic acid, bis-TBDMS ester

Suberic acid, TBDMS

Suberic acid, DMTBS

Suberate, TBDMS

Bis[tert-butyl(dimethyl)silyl] suberate

Suberic acid, 2tbdms derivative

**Inchi:** InChI=1S/C20H42O4Si2/c1-19(2,3)25(7,8)23-17(21)15-13-11-12-14-16-18(22)24-26(9,10)**InchiKey:** JADJIPYOCLEURF-UHFFFAOYSA-N**Formula:** C20H42O4Si2**SMILES:** CC(C)(C)[Si](C)(C)OC(=O)CCCCCCC(=O)O[Si](C)(C)C(C)(C)C**Mol. weight [g/mol]:** 402.72**CAS:** 104255-96-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.02		Crippen Method
logp	6.424		Crippen Method
rinpol	2174.00		NIST Webbook
rinpol	2174.00		NIST Webbook
rinpol	2161.30		NIST Webbook
rinpol	2171.00		NIST Webbook
rinpol	2157.00		NIST Webbook
rinpol	2168.00		NIST Webbook
rinpol	2161.30		NIST Webbook
rinpol	2174.00		NIST Webbook
rinpol	2168.00		NIST Webbook

## Sources

**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=C104255961&Units=SI>

Crippen Method:

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

## Legend

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

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