

# Bis(dimethyl-t-butylsilyl) adipate

**Other names:**

Hexanedioic acid, bis(tert-butyldimethylsilyl) ester  
Adipate, bis-TBDMS  
Adipic acid, diTBDMS  
Adipic acid, bis-TBDMS ester  
Adipic acid, bis(tert-butyldimethylsilyl) ester  
Adipic acid, TBDMS  
Adipate, TBDMS  
Adipic acid, DMTBS  
Adipic acid, 2tbdms derivative

**Inchi:**

InChI=1S/C18H38O4Si2/c1-17(2,3)23(7,8)21-15(19)13-11-12-14-16(20)22-24(9,10)18(4,

**InchiKey:**

PKYLRVYVHBVWCFV-UHFFFAOYSA-N

**Formula:**

C18H38O4Si2

**SMILES:**

CC(C)(C)[Si](C)(C)OC(=O)CCCC(=O)O[Si](C)(C)C(C)(C)C

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

374.66

**CAS:**

104255-94-9

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.18		Crippen Method
logp	5.644		Crippen Method
rinpol	1966.00		NIST Webbook
rinpol	1966.00		NIST Webbook
rinpol	1964.00		NIST Webbook
rinpol	1967.00		NIST Webbook
rinpol	1948.00		NIST Webbook
rinpol	1964.00		NIST Webbook
rinpol	1966.00		NIST Webbook

## Sources

**NIST Webbook:**

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C104255949&Units=SI>

**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)

# 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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