

# Butanoic acid, 4-[(tert-butyldimethylsilyl)amino]-, tert-butyldimethylsilyl ester

Other names:

«gamma»-Aminobutyric acid, diTBDMS  
«gamma»-Aminobutyric acid, bis-TBDMS  
Butanoic acid, 4-amino, O,N-bis-DMTBS  
Butanoic acid, 4-amino, (2TBDMS)-  
(tert-Butyldimethylsilyl) 4-[(tert-butyldimethylsilyl)amino]butanoate  
Butanoic acid, 4-amino, TBDMS  
«gamma»-Aminobutyric acid, TBDMS  
4-Aminobutanoic acid, 2tdms derivative

**Inchi:** InChI=1S/C16H37NO2Si2/c1-15(2,3)20(7,8)17-13-11-12-14(18)19-21(9,10)16(4,5)6/h17-21  
**InchiKey:** OYVJHQPEPBFVSS-UHFFFAOYSA-N  
**Formula:** C16H37NO2Si2  
**SMILES:** CC(C)(C)[Si](C)(C)NCCCC(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 331.64  
**CAS:** 110024-92-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.67		Crippen Method
logp	4.910		Crippen Method
rinpol	1745.00		NIST Webbook
rinpol	1760.00		NIST Webbook
rinpol	1744.00		NIST Webbook
rinpol	1745.00		NIST Webbook
rinpol	1744.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C110024925&Units=SI>  
**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)

# Legend

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

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