

# 5-Amino-1-pentanol, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ether

Other names: 1-tert-Butyl-N-(5-pentyl-tert-butyl(dimethyl)silyl)oxymorphopentyl)-1,1-dimethylsilanamine  
1-Pentanol, 5-amino, TBDMS  
1-Pentanol, 5-amino, O,N-bis-DMTBS  
5-Amino-1-pentanol, 2tdms derivative

**Inchi:** InChI=1S/C17H41NOSi2/c1-16(2,3)20(7,8)18-14-12-11-13-15-19-21(9,10)17(4,5)6/h18H

**InchiKey:** ZKQNEZXQXJYSNW-UHFFFAOYSA-N

**Formula:** C17H41NOSi2

**SMILES:** CC(C)(C)[Si](C)(C)NCCCCO[Si](C)(C)C(C)(C)C

**Mol. weight [g/mol]:** 331.68

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.32		Crippen Method
logp	5.773		Crippen Method
rinpol	1763.70		NIST Webbook
rinpol	1763.70		NIST Webbook
rinpol	1760.00		NIST Webbook

## Sources

**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)

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333014&Units=SI>

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/83-011-7/5-Amino-1-pentanol-N-tert-butyl-dimethylsilyl-tert-butyl-dimethylsilyl-ether.pdf>

Generated by Cheméo on 2024-04-23 15:11:47.332927274 +0000 UTC m=+16174356.253504585.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.