

# Propanoic acid, 2-[(tert-butyl dimethylsilyl)amino]-2-methyl-, tert-butyl dimethylsilyl ester

Other names: 2-Aminoisobutyric acid, TBDMS  
2-Methylalanine, 2tbams derivative

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

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.79		Crippen Method
logp	4.908		Crippen Method

## 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=U143219&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

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