

# 3-Methyl-L-histidine, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl-N-[tert-butyl(dimethyl)silyl]-3-methyl-L-histidinate  
L-3-methylhistidine, 2tbdms derivative

**Inchi:** InChI=1S/C19H39N3O2Si2/c1-18(2,3)25(8,9)21-16(12-15-13-20-14-22(15)7)17(23)24-26  
**InchiKey:** TYVRDMHJIRFNSI-UHFFFAOYSA-N  
**Formula:** C19H39N3O2Si2  
**SMILES:** Cn1cncc1CC(N[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C  
**Mol. weight [g/mol]:** 397.70

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.04		Crippen Method
logp	4.474		Crippen Method
rinpol	2347.40		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Crippen Method:** [https://www.cheméo.com/doc/models/crippen\\_log10ws](https://www.cheméo.com/doc/models/crippen_log10ws)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332922&Units=SI>

## Legend

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

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