

# L-Histidine, 1-(tert-butyl dimethylsilyl)-N-methyl-, tert-butyl dimethylsilyl ester

Other names: 1-Methyl-L-histidine, 2th dms derivative

Inchi: InChI=1S/C19H39N3O2Si2/c1-18(2,3)25(8,9)21-16(12-15-13-22(7)14-20-15)17(23)24-26

InchiKey: HTVXFAUFAFRHJL-UHFFFAOYSA-N

Formula: C19H39N3O2Si2

SMILES: Cn1cnc(CC(N[Si](C)(C)C(C)(C)C(=O)O[Si](C)(C)C(C)(C)C)c1

Mol. weight [g/mol]: 397.70

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.04		Crippen Method
logp	4.474		Crippen Method
rinpol	2258.40		NIST Webbook
rinpol	2258.40		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=U333775&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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