

# N,o-Bis-(trimethylsilyl)-1-methylhistidine

<b>Other names:</b>	3-Methylhistidine, TMS 3-Methyl-L-histidine, N-trimethylsilyl-, trimethylsilyl ester 1-Methyl-L-histidine, N-trimethylsilyl-, trimethylsilyl ester
<b>Inchi:</b>	InChI=1S/C13H27N3O2Si2/c1-16-10-14-9-11(16)8-12(15-19(2,3)4)13(17)18-20(5,6)7/h9
<b>InchiKey:</b>	BXFVVBRAFGURHG-GFCCVEGCSA-N
<b>Formula:</b>	C13H27N3O2Si2
<b>SMILES:</b>	Cn1cncc1CC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	313.54
<b>CAS:</b>	66434-53-5

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.52		Crippen Method
logp	2.134		Crippen Method
rinpol	1801.30		NIST Webbook
rinpol	1867.70		NIST Webbook
rinpol	1847.00		NIST Webbook
rinpol	1801.30		NIST Webbook
rinpol	1847.00		NIST Webbook

## Sources

<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C66434535&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C66434535&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>

## Legend

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

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