

# Histidine, N,N,O-3TMS

**Other names:**

Histidine, N,1-bis-(trimethylsilyl)-, trimethylsilyl ester  
N,N',o-Tris-(trimethylsilyl)histidine  
Imidazole-4-alanine, N,1-bis(trimethylsilyl)-, trimethylsilyl ester, L-  
Histidine, tri-TMS  
HIS, tris-TMS  
His, TMS  
Histidine, TMS

**Inchi:**

InChI=1S/C15H33N3O2Si3/c1-21(2,3)17-14(15(19)20-23(7,8)9)10-13-11-18(12-16-13)22

**InchiKey:**

MEFLGORIMZDUEG-UHFFFAOYSA-N

**Formula:**

C15H33N3O2Si3

**SMILES:**

C[Si](C)(C)NC(Cc1cn([Si](C)(C)C)cn1)C(=O)O[Si](C)(C)C

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

371.70

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.43		Crippen Method
logp	3.280		Crippen Method
rinpol	1916.60		NIST Webbook
rinpol	1921.05		NIST Webbook
rinpol	1942.25		NIST Webbook
rinpol	1941.81		NIST Webbook
rinpol	1920.38		NIST Webbook
rinpol	1947.08		NIST Webbook
rinpol	1914.00		NIST Webbook
rinpol	1914.00		NIST Webbook
rinpol	1939.00		NIST Webbook
ripol	2293.85		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=C17908257&Units=SI>

# 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
<b>ripol:</b>	Polar retention indices

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