

# 1-Methyl-l-histidine, trimethylsilyl ester

<b>Other names:</b>	1-Methyl-l-histidine, tms derivative
<b>Inchi:</b>	InChI=1S/C10H19N3O2Si/c1-13-6-8(12-7-13)5-9(11)10(14)15-16(2,3)4/h6-7,9H,5,11H2,
<b>InchiKey:</b>	CHLBMRHRYDUPSM-UHFFFAOYSA-N
<b>Formula:</b>	C10H19N3O2Si
<b>SMILES:</b>	Cn1cnc(CC(N)C(=O)O[Si](C)(C)C)c1
<b>Mol. weight [g/mol]:</b>	241.36

## Physical Properties

Property code	Value	Unit	Source
log10ws	-1.46		Crippen Method
logp	0.668		Crippen Method
rinsol	1760.20		NIST Webbook
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## Sources

<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>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U333777&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U333777&amp;Units=SI</a>

## Legend

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

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