

L-Histidine, N,1-bis(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names:	N1,N2,O-Tris(dimethyl-t-butyldimethylsilyl)-l-histidine Histidine triTBDMS
Inchi:	InChI=1S/C24H51N3O2Si3/c1-22(2,3)30(10,11)26-20(21(28)29-32(14,15)24(7,8)9)16-19
InchiKey:	GDEAMTKPUQQSOK-HXUWFJFHSA-N
Formula:	C24H51N3O2Si3
SMILES:	CC(C)(C)[Si](C)(C)NC(Cc1cn([Si](C)(C)C(C)(C)C)cn1)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	497.94
CAS:	107716-00-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.34		Crippen Method
logp	6.791		Crippen Method
rinpol	2595.00		NIST Webbook
rinpol	2573.00		NIST Webbook
rinpol	2573.00		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C107716007&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/13-915-1/L-Histidine-N-1-bis-tert-butyldimethylsilyl-tert-butyldimethylsilyl-ester.pdf>

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