

# 1-(tert-Butyldimethylsilyl)imidazole

<b>Other names:</b>	tert-Butyldimethylsilylimidazole t-Butyldimethylsilylimidazole 1H-Imidazole, 1-[(1,1-dimethylethyl)dimethylsilyl]- 1-(tert-butyldimethylsilyl)-1H-imidazole Imidazole, tbdms derivative
<b>Inchi:</b>	InChI=1S/C9H18N2Si/c1-9(2,3)12(4,5)11-7-6-10-8-11/h6-8H,1-5H3
<b>InchiKey:</b>	VUENSYJCBOSTCS-UHFFFAOYSA-N
<b>Formula:</b>	C9H18N2Si
<b>SMILES:</b>	CC(C)(C)[Si](C)(C)n1ccnc1
<b>Mol. weight [g/mol]:</b>	182.34
<b>CAS:</b>	54925-64-3

## Physical Properties

Property code	Value	Unit	Source
log10ws	-0.83		Crippen Method
logp	2.736		Crippen Method

## 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=C54925643&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C54925643&amp;Units=SI</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient

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