

# N''-Butyl-N,N,N',N'-tetramethyl -guanidine

<b>Inchi:</b>	InChI=1S/C9H21N3/c1-6-7-8-10-9(11(2)3)12(4)5/h6-8H2,1-5H3
<b>InchiKey:</b>	ABQPZGFRMFRBBC-UHFFFAOYSA-N
<b>Formula:</b>	C9H21N3
<b>SMILES:</b>	CCCCN=C(N(C)C)N(C)C
<b>Mol. weight [g/mol]:</b>	171.28

## Physical Properties

Property code	Value	Unit	Source
hf	-21.60	kJ/mol	Joback Method
hvap	43.11	kJ/mol	Joback Method
log10ws	-0.88		Crippen Method
logp	1.266		Crippen Method
mcvol	163.310	ml/mol	McGowan Method
pc	2092.66	kPa	Joback Method
rinpola	1160.00		NIST Webbook
rinpola	1160.00		NIST Webbook
tb	506.76	K	Joback Method
tc	688.55	K	Joback 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.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>
<b>Joback Method:</b>	<a href="https://en.wikipedia.org/wiki/Joback_method">https://en.wikipedia.org/wiki/Joback_method</a>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</a>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R153110&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R153110&amp;Units=SI</a>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hvap:</b>	Enthalpy of vaporization at standard conditions

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

Latest version available from:

<https://www.cheméo.com/cid/25-755-6/N-Butyl-N-N-N-N-tetramethyl-guanidine.pdf>

Generated by Cheméo on 2024-04-26 22:23:32.525190923 +0000 UTC m=+16459461.445768235.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.