

# **(CH<sub>3</sub>)<sub>2</sub>N-CH=N(CH<sub>2</sub>)<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>**

Inchi:	InChI=1S/C7H17N3/c1-9(2)6-5-8-7-10(3)4/h7H,5-6H2,1-4H3
InchiKey:	GPRHZDETQLRQO-UHFFFAOYSA-N
Formula:	C7H17N3
SMILES:	CN(C)C=NCCN(C)C
Mol. weight [g/mol]:	143.23
CAS:	101398-58-7

## **Physical Properties**

Property code	Value	Unit	Source
affp	1028.80	kJ/mol	NIST Webbook
basg	996.40	kJ/mol	NIST Webbook
hf	29.47	kJ/mol	Joback Method
hvap	38.58	kJ/mol	Joback Method
log10ws	0.45		Crippen Method
logp	0.138		Crippen Method
mcvol	135.130	ml/mol	McGowan Method
pc	2502.50	kPa	Joback Method
tb	461.12	K	Joback Method
tc	643.23	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=C101398587&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C101398587&amp;Units=SI</a>

## **Legend**

**affp:** Proton affinity

<b>basg:</b>	Gas basicity
<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>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature

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