

# Methanamine, N-(phenylmethylene)-

<b>Other names:</b>	N-Methylbenzaldimine N-Benzylidenemethylamine N-Benzalmethylamine Benzylidenemethanamine Benzylidenemethylamine Methylamine, N-benzylidene- N-(Phenylmethylene)methanamine N-Methylbenzylideneamine Benzalmethylamine N-Methylbenzalimine N-Methylbenzylidenimine N-Methylbenzenemethanimine Benzaldehyde N-methylimine N-Benzylidenemethanamine Benzaldehyde methylimine NSC 69423
<b>Inchi:</b>	InChI=1S/C8H9N/c1-9-7-8-5-3-2-4-6-8/h2-7H,1H3
<b>InchiKey:</b>	HXTGGPKOEKKUQO-UHFFFAOYSA-N
<b>Formula:</b>	C8H9N
<b>SMILES:</b>	CN=Cc1ccccc1
<b>Mol. weight [g/mol]:</b>	119.16
<b>CAS:</b>	622-29-7

## Physical Properties

Property code	Value	Unit	Source
hf	110.30	kJ/mol	Joback Method
hvap	38.99	kJ/mol	Joback Method
ie	8.77	eV	NIST Webbook
log10ws	-1.54		Crippen Method
logp	1.735		Crippen Method
mcvol	105.500	ml/mol	McGowan Method
pc	3228.31	kPa	Joback Method
tb	485.80	K	Joback Method
tc	718.21	K	Joback Method

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	350.70	K	2.40	NIST Webbook

## Sources

<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=C622297&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C622297&amp;Units=SI</a>
<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>

## Legend

<b>hf:</b>	Enthalpy of formation at standard conditions
<b>h<sub>vap</sub>:</b>	Enthalpy of vaporization at standard conditions
<b>ie:</b>	Ionization energy
<b>log<sub>10</sub>ws:</b>	Log <sub>10</sub> of Water solubility in mol/l
<b>log<sub>p</sub>:</b>	Octanol/Water partition coefficient
<b>m<sub>cvol</sub>:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature

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