

# Benzenemethanamine, N-(phenylmethylene)-

<b>Other names:</b>	Benzylamine, N-benzylidene-Benzylidenebenzylamine N-(Phenylmethylene)benzenemethanamine N-Benzylidenebenzylamine Benzaldehyde N-benzylimine
<b>Inchi:</b>	InChI=1S/C14H13N/c1-3-7-13(8-4-1)11-15-12-14-9-5-2-6-10-14/h1-11H,12H2
<b>InchiKey:</b>	MIYKHJXFICMPOJ-UHFFFAOYSA-N
<b>Formula:</b>	C14H13N
<b>SMILES:</b>	C(=NCc1ccccc1)c1ccccc1
<b>Mol. weight [g/mol]:</b>	195.26
<b>CAS:</b>	780-25-6

## Physical Properties

Property code	Value	Unit	Source
hf	222.99	kJ/mol	Joback Method
hvap	54.62	kJ/mol	Joback Method
log10ws	-3.65		Crippen Method
logp	3.306		Crippen Method
mcvol	166.280	ml/mol	McGowan Method
pc	2487.55	kPa	Joback Method
rinpol	1817.00		NIST Webbook
rinpol	1761.20		NIST Webbook
tb	649.76	K	Joback Method
tc	905.17	K	Joback Method

## Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	416.70	K	0.70	NIST Webbook

# Sources

<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=C780256&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C780256&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>

# 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>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature

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