

# Aniline, m-phenethyl-

<b>Other names:</b>	Benzenamine, 3-(2-phenylethyl)- 1-(3-Aminophenyl)-2-phenylethane
<b>Inchi:</b>	InChI=1S/C14H15N/c15-14-8-4-7-13(11-14)10-9-12-5-2-1-3-6-12/h1-8,11H,9-10,15H2
<b>InchiKey:</b>	VJPPMUFNJJMKGK-UHFFFAOYSA-N
<b>Formula:</b>	C14H15N
<b>SMILES:</b>	<chem>Nc1cccc(CCc2ccccc2)c1</chem>
<b>Mol. weight [g/mol]:</b>	197.28
<b>CAS:</b>	5369-22-2

## Physical Properties

Property code	Value	Unit	Source
gf	348.64	kJ/mol	Joback Method
hf	163.09	kJ/mol	Joback Method
hfus	24.91	kJ/mol	Joback Method
hvap	62.61	kJ/mol	Joback Method
log10ws	-3.52		Crippen Method
logp	3.054		Crippen Method
mvol	170.580	ml/mol	McGowan Method
pc	2896.73	kPa	Joback Method
tb	650.59	K	Joback Method
tc	897.89	K	Joback Method
tf	396.16	K	Joback Method
vc	0.632	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	434.11	J/molxK	650.59	Joback Method
cpg	450.44	J/molxK	691.81	Joback Method
cpg	465.49	J/molxK	733.02	Joback Method
cpg	479.34	J/molxK	774.24	Joback Method
cpg	492.07	J/molxK	815.46	Joback Method
cpg	503.76	J/molxK	856.68	Joback Method
cpg	514.50	J/molxK	897.89	Joback Method

# Sources

<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=C5369222&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C5369222&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>

# Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>gf:</b>	Standard Gibbs free energy of formation
<b>hf:</b>	Enthalpy of formation at standard conditions
<b>hfus:</b>	Enthalpy of fusion at standard conditions
<b>h vap:</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
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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