

# Benzenemethanamine,N,N,ar-trimethyl-

<b>Inchi:</b>	InChI=1S/C10H15N/c1-9-5-4-6-10(7-9)8-11(2)3/h4-7H,8H2,1-3H3
<b>InchiKey:</b>	VCBUGWOFLYITCB-UHFFFAOYSA-N
<b>Formula:</b>	C10H15N
<b>SMILES:</b>	<chem>Cc1cccc(CN(C)C)c1</chem>
<b>Mol. weight [g/mol]:</b>	149.23
<b>CAS:</b>	56927-89-0

## Physical Properties

Property code	Value	Unit	Source
gf	246.88	kJ/mol	Joback Method
hf	42.86	kJ/mol	Joback Method
hfus	18.33	kJ/mol	Joback Method
hvap	42.84	kJ/mol	Joback Method
ie	7.61	eV	NIST Webbook
log10ws	-2.23		Crippen Method
logp	2.057		Crippen Method
mcvol	137.980	ml/mol	McGowan Method
pc	2878.12	kPa	Joback Method
tb	472.30	K	Joback Method
tc	675.53	K	Joback Method
tf	273.87	K	Joback Method
vc	0.505	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	289.36	J/molxK	472.30	Joback Method
cpg	304.94	J/molxK	506.17	Joback Method
cpg	319.66	J/molxK	540.04	Joback Method
cpg	333.55	J/molxK	573.91	Joback Method
cpg	346.65	J/molxK	607.79	Joback Method
cpg	358.98	J/molxK	641.66	Joback Method
cpg	370.59	J/molxK	675.53	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=C56927890&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C56927890&amp;Units=SI</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>hvap:</b>	Enthalpy of vaporization at standard conditions
<b>ie:</b>	Ionization energy
<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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