

# Aniline, n-(beta-methylallyl)-

<b>Inchi:</b>	InChI=1S/C10H13N/c1-9(2)8-11-10-6-4-3-5-7-10/h3-7,11H,1,8H2,2H3
<b>InchiKey:</b>	JCBGGIHYIHYKEX-UHFFFAOYSA-N
<b>Formula:</b>	C10H13N
<b>SMILES:</b>	C=C(C)CNc1ccccc1
<b>Mol. weight [g/mol]:</b>	147.22
<b>CAS:</b>	22774-81-8

## Physical Properties

Property code	Value	Unit	Source
gf	314.41	kJ/mol	Joback Method
hf	155.91	kJ/mol	Joback Method
hfus	18.21	kJ/mol	Joback Method
hvap	45.98	kJ/mol	Joback Method
log10ws	-2.59		Crippen Method
logp	2.675		Crippen Method
mcvol	133.680	ml/mol	McGowan Method
pc	3131.49	kPa	Joback Method
tb	501.61	K	Joback Method
tc	716.54	K	Joback Method
tf	265.82	K	Joback Method
vc	0.504	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	286.27	J/molxK	501.61	Joback Method
cpg	301.08	J/molxK	537.43	Joback Method
cpg	314.96	J/molxK	573.25	Joback Method
cpg	327.96	J/molxK	609.07	Joback Method
cpg	340.11	J/molxK	644.89	Joback Method
cpg	351.47	J/molxK	680.72	Joback Method
cpg	362.08	J/molxK	716.54	Joback Method

# Sources

<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>
<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=C22774818&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C22774818&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>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>mccvol:</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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