

# allyl-n-amyamine

<b>Inchi:</b>	InChI=1S/C8H17N/c1-3-5-6-8-9-7-4-2/h4,9H,2-3,5-8H2,1H3
<b>InchiKey:</b>	QRXLGCDDQNMYOQ-UHFFFAOYSA-N
<b>Formula:</b>	C8H17N
<b>SMILES:</b>	C=CCNCCCCC
<b>Mol. weight [g/mol]:</b>	127.23

## Physical Properties

Property code	Value	Unit	Source
gf	193.71	kJ/mol	Joback Method
hf	-29.55	kJ/mol	Joback Method
hfus	20.30	kJ/mol	Joback Method
hvap	39.17	kJ/mol	Joback Method
log10ws	-2.21		Crippen Method
logp	1.952		Crippen Method
mvol	129.260	ml/mol	McGowan Method
pc	2681.86	kPa	Joback Method
rinpol	937.00		NIST Webbook
tb	429.29	K	Joback Method
tc	601.01	K	Joback Method
tf	230.82	K	Joback Method
vc	0.499	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	263.30	J/mol×K	429.29	Joback Method
cpg	276.40	J/mol×K	457.91	Joback Method
cpg	288.96	J/mol×K	486.53	Joback Method
cpg	300.99	J/mol×K	515.15	Joback Method
cpg	312.52	J/mol×K	543.77	Joback Method
cpg	323.56	J/mol×K	572.39	Joback Method
cpg	334.12	J/mol×K	601.01	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R521672&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R521672&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>
<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>

# 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>rinpol:</b>	Non-polar retention indices
<b>tb:</b>	Normal Boiling Point Temperature
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

Latest version available from:

<https://www.chemeo.com/cid/37-356-6/allyl-n-amyl-amine.pdf>

Generated by Cheméo on 2024-04-25 17:59:59.245820582 +0000 UTC m=+16357248.166397894.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.