

# Nonylamine, N,N-di(allyl)-

<b>Inchi:</b>	InChI=1S/C15H29N/c1-4-7-8-9-10-11-12-15-16(13-5-2)14-6-3/h5-6H,2-4,7-15H2,1H3
<b>InchiKey:</b>	CPZTUZFXXPEREJ-UHFFFAOYSA-N
<b>Formula:</b>	C15H29N
<b>SMILES:</b>	C=CCN(CC=C)CCCCCCCC
<b>Mol. weight [g/mol]:</b>	223.40

## Physical Properties

Property code	Value	Unit	Source
gf	361.88	kJ/mol	Joback Method
hf	-34.54	kJ/mol	Joback Method
hfus	35.07	kJ/mol	Joback Method
hvap	49.69	kJ/mol	Joback Method
log10ws	-4.38		Crippen Method
logp	4.411		Crippen Method
mvol	223.590	ml/mol	McGowan Method
pc	1506.98	kPa	Joback Method
rinpol	1643.00		NIST Webbook
rinpol	1643.00		NIST Webbook
tb	548.40	K	Joback Method
tc	711.31	K	Joback Method
tf	287.76	K	Joback Method
vc	0.856	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	555.77	J/mol×K	548.40	Joback Method
cpg	574.00	J/mol×K	575.55	Joback Method
cpg	591.43	J/mol×K	602.70	Joback Method
cpg	608.10	J/mol×K	629.86	Joback Method
cpg	624.04	J/mol×K	657.01	Joback Method
cpg	639.27	J/mol×K	684.16	Joback Method
cpg	653.82	J/mol×K	711.31	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=U416174&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U416174&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>hvp:</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>rinp:</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

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