

# Isopropylamine, n,n-diallyl-

<b>Inchi:</b>	InChI=1S/C9H17N/c1-5-7-10(8-6-2)9(3)4/h5-6,9H,1-2,7-8H2,3-4H3
<b>InchiKey:</b>	DFSQFCRJLMWKBA-UHFFFAOYSA-N
<b>Formula:</b>	C9H17N
<b>SMILES:</b>	C=CCN(CC=C)C(C)C
<b>Mol. weight [g/mol]:</b>	139.24
<b>CAS:</b>	10542-47-9

## Physical Properties

Property code	Value	Unit	Source
gf	308.92	kJ/mol	Joback Method
hf	84.02	kJ/mol	Joback Method
hfus	16.00	kJ/mol	Joback Method
hvap	35.94	kJ/mol	Joback Method
log10ws	-1.98		Crippen Method
logp	2.069		Crippen Method
mcvol	139.050	ml/mol	McGowan Method
pc	2520.12	kPa	Joback Method
tb	410.68	K	Joback Method
tc	582.76	K	Joback Method
tf	205.14	K	Joback Method
vc	0.513	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	271.73	J/molxK	410.68	Joback Method
cpg	286.25	J/molxK	439.36	Joback Method
cpg	300.10	J/molxK	468.04	Joback Method
cpg	313.30	J/molxK	496.72	Joback Method
cpg	325.88	J/molxK	525.40	Joback Method
cpg	337.87	J/molxK	554.08	Joback Method
cpg	349.28	J/molxK	582.76	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C10542479&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C10542479&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.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>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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