

# Diethyl-«alpha»-naphthylamine

<b>Other names:</b>	N,N-Diethyl-1-aminonaphthalene 1-Naphthalenamine, N,N-diethyl- N,N-Diethyl-«alpha»-naphthylamine N,N-Diethyl-1-naphthylamine 1-(Diethylamino)naphthalene 1-Naphthylamine, N,N-diethyl-
<b>Inchi:</b>	InChI=1S/C14H17N/c1-3-15(4-2)14-11-7-9-12-8-5-6-10-13(12)14/h5-11H,3-4H2,1-2H3
<b>InchiKey:</b>	XLEMRIJDZGESRG-UHFFFAOYSA-N
<b>Formula:</b>	C14H17N
<b>SMILES:</b>	CCN(CC)c1cccc2ccccc12
<b>Mol. weight [g/mol]:</b>	199.29
<b>CAS:</b>	84-95-7

## Physical Properties

Property code	Value	Unit	Source
gf	387.21	kJ/mol	Joback Method
hf	151.37	kJ/mol	Joback Method
hfus	25.71	kJ/mol	Joback Method
hvap	53.38	kJ/mol	Joback Method
log10ws	-4.02		Crippen Method
logp	3.686		Crippen Method
mcvol	174.880	ml/mol	McGowan Method
pc	2492.52	kPa	Joback Method
tb	582.80	K	Joback Method
tc	801.40	K	Joback Method
tf	351.65	K	Joback Method
vc	0.651	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	426.41	J/mol×K	582.80	Joback Method
cpg	443.52	J/mol×K	619.23	Joback Method
cpg	459.46	J/mol×K	655.67	Joback Method

cpg	474.31	J/mol×K	692.10	Joback Method
cpg	488.15	J/mol×K	728.53	Joback Method
cpg	501.06	J/mol×K	764.97	Joback Method
cpg	513.11	J/mol×K	801.40	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=C84957&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C84957&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>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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