

# 2-Amino-8-naphthol

<b>Inchi:</b>	InChI=1S/C10H9NO/c11-8-5-4-7-2-1-3-10(12)9(7)6-8/h1-6,12H,11H2
<b>InchiKey:</b>	ZYSOYLBBCYWEMB-UHFFFAOYSA-N
<b>Formula:</b>	C10H9NO
<b>SMILES:</b>	<chem>Nc1ccc2cccc(O)c2c1</chem>
<b>Mol. weight [g/mol]:</b>	159.18
<b>CAS:</b>	4384-92-3

## Physical Properties

Property code	Value	Unit	Source
gf	154.58	kJ/mol	Joback Method
hf	22.88	kJ/mol	Joback Method
hfus	23.31	kJ/mol	Joback Method
hvap	66.09	kJ/mol	Joback Method
log10ws	-2.46		Crippen Method
logp	2.128		Crippen Method
mcvol	124.390	ml/mol	McGowan Method
pc	5022.80	kPa	Joback Method
tb	631.99	K	Joback Method
tc	890.94	K	Joback Method
tf	469.08	K	Joback Method
vc	0.405	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	306.55	J/molxK	631.99	Joback Method
cpg	317.43	J/molxK	675.15	Joback Method
cpg	327.40	J/molxK	718.31	Joback Method
cpg	336.62	J/molxK	761.46	Joback Method
cpg	345.25	J/molxK	804.62	Joback Method
cpg	353.44	J/molxK	847.78	Joback Method
cpg	361.37	J/molxK	890.94	Joback Method

# Sources

<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=C4384923&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C4384923&amp;Units=SI</a>
<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>

# 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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