

# 4-(N-Methylamino)biphenyl

<b>Inchi:</b>	InChI=1S/C13H13N/c1-14-13-9-7-12(8-10-13)11-5-3-2-4-6-11/h2-10,14H,1H3
<b>InchiKey:</b>	UUYJYDILAMMXGM-UHFFFAOYSA-N
<b>Formula:</b>	C13H13N
<b>SMILES:</b>	CNc1ccc(-c2ccccc2)cc1
<b>Mol. weight [g/mol]:</b>	183.25
<b>CAS:</b>	3365-81-9

## Physical Properties

Property code	Value	Unit	Source
gf	363.16	kJ/mol	Joback Method
hf	203.41	kJ/mol	Joback Method
hfus	22.22	kJ/mol	Joback Method
hvap	56.18	kJ/mol	Joback Method
log10ws	-4.08		Crippen Method
logp	3.395		Crippen Method
mcvol	156.490	ml/mol	McGowan Method
pc	3065.95	kPa	Joback Method
tb	605.35	K	Joback Method
tc	849.03	K	Joback Method
tf	354.29	K	Joback Method
vc	0.583	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	374.27	J/molxK	605.35	Joback Method
cpg	390.48	J/molxK	645.96	Joback Method
cpg	405.44	J/molxK	686.58	Joback Method
cpg	419.22	J/molxK	727.19	Joback Method
cpg	431.91	J/molxK	767.80	Joback Method
cpg	443.56	J/molxK	808.41	Joback Method
cpg	454.25	J/molxK	849.03	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=C3365819&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C3365819&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>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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