

# Benzenamine, 2,4-dibromo-

<b>Other names:</b>	2,4-Dibromoaniline 2,4-Dibromanilin NSC 88324
<b>Inchi:</b>	InChI=1S/C6H5Br2N/c7-4-1-2-6(9)5(8)3-4/h1-3H,9H2
<b>InchiKey:</b>	DYSRXWYRUJCNFI-UHFFFAOYSA-N
<b>Formula:</b>	C6H5Br2N
<b>SMILES:</b>	Nc1ccc(Br)cc1Br
<b>Mol. weight [g/mol]:</b>	250.92
<b>CAS:</b>	615-57-6

## Physical Properties

Property code	Value	Unit	Source
gf	187.88	kJ/mol	Joback Method
hf	132.87	kJ/mol	Joback Method
hfus	20.33	kJ/mol	Joback Method
hvap	56.06	kJ/mol	Joback Method
log10ws	-3.43		Crippen Method
logp	2.794		Crippen Method
mcvol	116.620	ml/mol	McGowan Method
pc	5935.41	kPa	Joback Method
tb	578.17	K	Joback Method
tc	844.98	K	Joback Method
tf	411.70	K	Joback Method
vc	0.416	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	205.53	J/molxK	578.17	Joback Method
cpg	213.33	J/molxK	622.64	Joback Method
cpg	220.45	J/molxK	667.11	Joback Method
cpg	226.96	J/molxK	711.58	Joback Method
cpg	232.91	J/molxK	756.05	Joback Method
cpg	238.36	J/molxK	800.52	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=C615576&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C615576&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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