

# N-bicyclo[2.2.1]hept-2-ylurea

<b>Inchi:</b>	InChI=1S/C8H14N2O/c9-8(11)10-7-4-5-1-2-6(7)3-5/h5-7H,1-4H2,(H3,9,10,11)
<b>InchiKey:</b>	XUFVQYYHZUXUKV-UHFFFAOYSA-N
<b>Formula:</b>	C8H14N2O
<b>SMILES:</b>	NC(=O)NC1CC2CCC1C2
<b>Mol. weight [g/mol]:</b>	154.21

## Physical Properties

Property code	Value	Unit	Source
gf	145.09	kJ/mol	Joback Method
hf	-114.67	kJ/mol	Joback Method
hfus	23.61	kJ/mol	Joback Method
hvap	56.91	kJ/mol	Joback Method
log10ws	-1.97		Crippen Method
logp	0.843		Crippen Method
mcvol	123.390	ml/mol	McGowan Method
pc	3901.37	kPa	Joback Method
tb	572.09	K	Joback Method
tc	796.62	K	Joback Method
tf	393.89	K	Joback Method
vc	0.459	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.46	J/molxK	572.09	Joback Method
cpg	350.99	J/molxK	609.51	Joback Method
cpg	365.42	J/molxK	646.93	Joback Method
cpg	378.84	J/molxK	684.35	Joback Method
cpg	391.32	J/molxK	721.78	Joback Method
cpg	402.93	J/molxK	759.20	Joback Method
cpg	413.74	J/molxK	796.62	Joback Method

# Sources

<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=B6007708&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=B6007708&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>

# 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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