

# 2-Propyl-pyrrolidine

<b>Inchi:</b>	InChI=1S/C7H15N/c1-2-4-7-5-3-6-8-7/h7-8H,2-6H2,1H3
<b>InchiKey:</b>	ICALDHCMXFGLBN-UHFFFAOYSA-N
<b>Formula:</b>	C7H15N
<b>SMILES:</b>	CCCC1CCCN1
<b>Mol. weight [g/mol]:</b>	113.20

## Physical Properties

Property code	Value	Unit	Source
gf	132.32	kJ/mol	Joback Method
hf	-89.52	kJ/mol	Joback Method
hfus	17.41	kJ/mol	Joback Method
hvap	38.19	kJ/mol	Joback Method
log10ws	-1.95		Crippen Method
logp	1.538		Crippen Method
mcvol	108.610	ml/mol	McGowan Method
pc	3522.09	kPa	Joback Method
rinsol	916.00		NIST Webbook
tb	423.39	K	Joback Method
tc	626.43	K	Joback Method
tf	284.58	K	Joback Method
vc	0.406	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	216.22	J/mol×K	423.39	Joback Method
cpg	231.78	J/mol×K	457.23	Joback Method
cpg	246.61	J/mol×K	491.07	Joback Method
cpg	260.74	J/mol×K	524.91	Joback Method
cpg	274.18	J/mol×K	558.75	Joback Method
cpg	286.95	J/mol×K	592.59	Joback Method
cpg	299.08	J/mol×K	626.43	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R405817&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R405817&amp;Units=SI</a>
<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>

# 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>rinpola:</b>	Non-polar retention indices
<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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