

# Piperidin, 3e-methyl

<b>Inchi:</b>	InChI=1S/C6H13N/c1-6-3-2-4-7-5-6/h6-7H,2-5H2,1H3/t6-/m0/s1
<b>InchiKey:</b>	JEGMWWXJUXDNJN-LURJTMIESA-N
<b>Formula:</b>	C6H13N
<b>SMILES:</b>	CC1CCCNC1
<b>Mol. weight [g/mol]:</b>	99.17

## Physical Properties

Property code	Value	Unit	Source
gf	111.80	kJ/mol	Joback Method
hf	-75.04	kJ/mol	Joback Method
hfus	12.72	kJ/mol	Joback Method
hvap	36.14	kJ/mol	Joback Method
log10ws	-1.18		Crippen Method
logp	1.006		Crippen Method
mvol	94.520	ml/mol	McGowan Method
pc	4088.15	kPa	Joback Method
rmpol	829.00		NIST Webbook
rmpol	829.00		NIST Webbook
tb	404.78	K	Joback Method
tc	618.71	K	Joback Method
tf	269.79	K	Joback Method
vc	0.342	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	174.55	J/molxK	404.78	Joback Method
cpg	189.85	J/molxK	440.43	Joback Method
cpg	204.46	J/molxK	476.09	Joback Method
cpg	218.38	J/molxK	511.74	Joback Method
cpg	231.63	J/molxK	547.40	Joback Method
cpg	244.20	J/molxK	583.05	Joback Method
cpg	256.13	J/molxK	618.71	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=R120353&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R120353&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>
<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>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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