

# Nortropan-3-one

<b>Inchi:</b>	InChI=1S/C7H11NO/c9-7-3-5-1-2-6(4-7)8-5/h5-6,8H,1-4H2/t5-,6+
<b>InchiKey:</b>	CVDLBKMNONQOHJ-OLQVQODUSA-N
<b>Formula:</b>	C7H11NO
<b>SMILES:</b>	O=C1CC2CCC(C1)N2
<b>Mol. weight [g/mol]:</b>	125.17

## Physical Properties

Property code	Value	Unit	Source
gf	70.48	kJ/mol	Joback Method
hf	-154.42	kJ/mol	Joback Method
hfus	15.06	kJ/mol	Joback Method
hvap	42.35	kJ/mol	Joback Method
log10ws	-1.24		Crippen Method
logp	0.470		Crippen Method
mcvol	99.320	ml/mol	McGowan Method
pc	4328.25	kPa	Joback Method
rinpol	1133.00		NIST Webbook
tb	497.95	K	Joback Method
tc	737.81	K	Joback Method
tf	370.74	K	Joback Method
vc	0.369	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	231.27	J/mol×K	497.95	Joback Method
cpg	247.56	J/mol×K	537.93	Joback Method
cpg	262.92	J/mol×K	577.90	Joback Method
cpg	277.35	J/mol×K	617.88	Joback Method
cpg	290.90	J/mol×K	657.86	Joback Method
cpg	303.57	J/mol×K	697.83	Joback Method
cpg	315.40	J/mol×K	737.81	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=R510177&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R510177&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>h vap:</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>m cvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>rinpol:</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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