

# Cyclopropanecarboxamide, N-n-butyl

<b>Other names:</b>	Cyclopropanecarboxamide, N-butyl
<b>Inchi:</b>	InChI=1S/C8H15NO/c1-2-3-6-9-8(10)7-4-5-7/h7H,2-6H2,1H3,(H,9,10)
<b>InchiKey:</b>	NUUBGZFKJPPGLQ-UHFFFAOYSA-N
<b>Formula:</b>	C8H15NO
<b>SMILES:</b>	CCCCNC(=O)C1CC1
<b>Mol. weight [g/mol]:</b>	141.21
<b>CAS:</b>	14372-00-0

## Physical Properties

Property code	Value	Unit	Source
gf	37.70	kJ/mol	Joback Method
hf	-194.76	kJ/mol	Joback Method
hfus	21.31	kJ/mol	Joback Method
hvap	46.50	kJ/mol	Joback Method
log10ws	-1.79		Crippen Method
logp	1.313		Crippen Method
mcvol	124.270	ml/mol	McGowan Method
pc	3156.17	kPa	Joback Method
rinpol	1293.00		NIST Webbook
rinpol	1293.00		NIST Webbook
tb	493.22	K	Joback Method
tc	685.54	K	Joback Method
tf	300.45	K	Joback Method
vc	0.481	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.70	J/molxK	493.22	Joback Method
cpg	301.58	J/molxK	525.27	Joback Method
cpg	314.70	J/molxK	557.33	Joback Method
cpg	327.09	J/molxK	589.38	Joback Method
cpg	338.80	J/molxK	621.43	Joback Method
cpg	349.85	J/molxK	653.49	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=C14372000&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14372000&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>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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