

# Bicyclononyl

<b>Inchi:</b>	InChI=1S/C18H34/c1-2-6-10-14-17(13-9-5-1)18-15-11-7-3-4-8-12-16-18/h17-18H,1-16H2
<b>InchiKey:</b>	UVCMYJYTEVWUCV-UHFFFAOYSA-N
<b>Formula:</b>	C18H34
<b>SMILES:</b>	C1CCCCC(C2CCCCCCCC2)CCC1
<b>Mol. weight [g/mol]:</b>	250.46

## Physical Properties

Property code	Value	Unit	Source
gf	76.98	kJ/mol	Joback Method
hf	-343.17	kJ/mol	Joback Method
hfus	13.45	kJ/mol	Joback Method
hvap	57.55	kJ/mol	Joback Method
log10ws	-6.66		Crippen Method
logp	6.488		Crippen Method
mvol	242.760	ml/mol	McGowan Method
pc	1756.54	kPa	Joback Method
rmpol	2021.00		NIST Webbook
tb	675.96	K	Joback Method
tc	928.59	K	Joback Method
tf	286.26	K	Joback Method
vc	0.862	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	739.05	J/molxK	675.96	Joback Method
cpg	772.44	J/molxK	718.06	Joback Method
cpg	803.19	J/molxK	760.17	Joback Method
cpg	831.32	J/molxK	802.27	Joback Method
cpg	856.83	J/molxK	844.38	Joback Method
cpg	879.75	J/molxK	886.48	Joback Method
cpg	900.10	J/molxK	928.59	Joback Method
dvisc	0.0273521	Paxs	286.26	Joback Method
dvisc	0.0027890	Paxs	351.21	Joback Method

dvisc	0.0005800	Paxs	416.16	Joback Method
dvisc	0.0001843	Paxs	481.11	Joback Method
dvisc	0.0000769	Paxs	546.06	Joback Method
dvisc	0.0000387	Paxs	611.01	Joback Method
dvisc	0.0000222	Paxs	675.96	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R136462&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R136462&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>

## Legend

<b>cpg:</b>	Ideal gas heat capacity
<b>dvisc:</b>	Dynamic viscosity
<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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