

# Bicyclo[3.2.0]hept-2-ene, 4-ethoxy-, endo-

<b>Inchi:</b>	InChI=1S/C9H14O/c1-2-10-9-6-4-7-3-5-8(7)9/h4,6-9H,2-3,5H2,1H3
<b>InchiKey:</b>	VIFJCKJDUKYPNS-UHFFFAOYSA-N
<b>Formula:</b>	C9H14O
<b>SMILES:</b>	CCOC1C=CC2CCC21
<b>Mol. weight [g/mol]:</b>	138.21

## Physical Properties

Property code	Value	Unit	Source
gf	51.55	kJ/mol	Joback Method
hf	-184.43	kJ/mol	Joback Method
hfus	16.72	kJ/mol	Joback Method
hvap	38.02	kJ/mol	Joback Method
log10ws	-1.95		Crippen Method
logp	1.988		Crippen Method
mvol	117.520	ml/mol	McGowan Method
pc	3049.04	kPa	Joback Method
rinpol	1292.00		NIST Webbook
tb	439.98	K	Joback Method
tc	640.04	K	Joback Method
tf	242.30	K	Joback Method
vc	0.449	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	254.70	J/molxK	439.98	Joback Method
cpg	271.37	J/molxK	473.32	Joback Method
cpg	287.11	J/molxK	506.67	Joback Method
cpg	301.97	J/molxK	540.01	Joback Method
cpg	315.98	J/molxK	573.36	Joback Method
cpg	329.19	J/molxK	606.70	Joback Method
cpg	341.64	J/molxK	640.04	Joback Method
dvisc	0.0006514	Paxs	242.30	Joback Method
dvisc	0.0006145	Paxs	275.25	Joback Method

dvisc	0.0005869	Paxs	308.19	Joback Method
dvisc	0.0005656	Paxs	341.14	Joback Method
dvisc	0.0005486	Paxs	374.09	Joback Method
dvisc	0.0005347	Paxs	407.03	Joback Method
dvisc	0.0005232	Paxs	439.98	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=U156867&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U156867&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>mccvol:</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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