

# Bicyclo[2.2.1]hept-2-ene, 5-(1-methoxyethylidene)-, (E)-

Inchi:	InChI=1S/C10H14O/c1-7(11-2)10-6-8-3-4-9(10)5-8/h3-4,8-10H,1,5-6H2,2H3
InchiKey:	UHVCEHVDJBKVEQ-UHFFFAOYSA-N
Formula:	C10H14O
SMILES:	C=C(OC)C1CC2C=CC1C2
Mol. weight [g/mol]:	150.22
CAS:	103582-49-6

## Physical Properties

Property code	Value	Unit	Source
gf	139.26	kJ/mol	Joback Method
hf	-89.43	kJ/mol	Joback Method
hfus	16.72	kJ/mol	Joback Method
hvap	39.66	kJ/mol	Joback Method
log10ws	-2.36		Crippen Method
logp	2.359		Crippen Method
mcvol	127.310	ml/mol	McGowan Method
pc	2890.51	kPa	Joback Method
tb	459.42	K	Joback Method
tc	665.48	K	Joback Method
tf	237.85	K	Joback Method
vc	0.486	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	281.57	J/molxK	459.42	Joback Method
cpg	298.86	J/molxK	493.76	Joback Method
cpg	315.11	J/molxK	528.11	Joback Method
cpg	330.38	J/molxK	562.45	Joback Method
cpg	344.72	J/molxK	596.80	Joback Method
cpg	358.18	J/molxK	631.14	Joback Method
cpg	370.82	J/molxK	665.48	Joback Method

# Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>
<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=C103582496&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C103582496&amp;Units=SI</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>mccvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<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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