

# Endo-2-methylene-5-methylbicyclo[2.1.0]pentane

<b>Inchi:</b>	InChI=1S/C7H10/c1-4-3-6-5(2)7(4)6/h5-7H,1,3H2,2H3
<b>InchiKey:</b>	ODHFVFMIFFLIKR-UHFFFAOYSA-N
<b>Formula:</b>	C7H10
<b>SMILES:</b>	C=C1CC2C(C)C12
<b>Mol. weight [g/mol]:</b>	94.15
<b>CAS:</b>	121733-05-9

## Physical Properties

Property code	Value	Unit	Source
gf	187.03	kJ/mol	Joback Method
hf	27.85	kJ/mol	Joback Method
hfus	12.17	kJ/mol	Joback Method
hvap	30.68	kJ/mol	Joback Method
log10ws	-1.67		Crippen Method
logp	1.828		Crippen Method
mcvol	83.470	ml/mol	McGowan Method
pc	3589.94	kPa	Joback Method
tb	363.26	K	Joback Method
tc	550.53	K	Joback Method
tf	217.49	K	Joback Method
vc	0.333	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	152.98	J/mol×K	363.26	Joback Method
cpg	165.89	J/mol×K	394.47	Joback Method
cpg	178.00	J/mol×K	425.68	Joback Method
cpg	189.37	J/mol×K	456.90	Joback Method
cpg	200.03	J/mol×K	488.11	Joback Method
cpg	210.03	J/mol×K	519.32	Joback Method
cpg	219.41	J/mol×K	550.53	Joback Method
dvisc	0.0001058	Paxs	217.49	Joback Method
dvisc	0.0001445	Paxs	241.78	Joback Method

dvisc	0.0001865	Paxs	266.08	Joback Method
dvisc	0.0002306	Paxs	290.38	Joback Method
dvisc	0.0002760	Paxs	314.67	Joback Method
dvisc	0.0003219	Paxs	338.97	Joback Method
dvisc	0.0003678	Paxs	363.26	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=C121733059&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C121733059&amp;Units=SI</a>
<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>

## 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>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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