

# endo-5-ethenyl-5-methyl-2-norbornene

<b>Inchi:</b>	InChI=1S/C10H14/c1-3-10(2)7-8-4-5-9(10)6-8/h3-5,8-9H,1,6-7H2,2H3/t8-,9+,10-/m1/s1
<b>InchiKey:</b>	SVLPZOWDVPMLAH-KXUCPTDWSA-N
<b>Formula:</b>	C10H14
<b>SMILES:</b>	C=CC1(C)CC2C=CC1C2
<b>Mol. weight [g/mol]:</b>	134.22

## Physical Properties

Property code	Value	Unit	Source
gf	247.32	kJ/mol	Joback Method
hf	67.82	kJ/mol	Joback Method
hfus	10.54	kJ/mol	Joback Method
hvap	36.01	kJ/mol	Joback Method
log10ws	-2.78		Crippen Method
logp	2.775		Crippen Method
mcvol	121.440	ml/mol	McGowan Method
pc	3076.16	kPa	Joback Method
rinpol	938.00		NIST Webbook
tb	437.36	K	Joback Method
tc	649.85	K	Joback Method
tf	253.48	K	Joback Method
vc	0.466	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	256.14	J/mol×K	437.36	Joback Method
cpg	274.30	J/mol×K	472.78	Joback Method
cpg	290.96	J/mol×K	508.19	Joback Method
cpg	306.28	J/mol×K	543.61	Joback Method
cpg	320.41	J/mol×K	579.02	Joback Method
cpg	333.50	J/mol×K	614.44	Joback Method
cpg	345.70	J/mol×K	649.85	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=R128055&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R128055&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>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>rlnol:</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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