

# Bicyclo[3.1.1]hept-2-ene-2-methanol, 6,6-dimethyl-, (1S)-

<b>Inchi:</b>	InChI=1S/C10H16O/c1-10(2)8-4-3-7(6-11)9(10)5-8/h3,8-9,11H,4-6H2,1-2H3/t8-,9-/m1/s1
<b>InchiKey:</b>	RXBQNMWIKOSCS-RKDXNWHRSA-N
<b>Formula:</b>	C10H16O
<b>SMILES:</b>	CC1(C)C2CC=C(CO)C1C2
<b>Mol. weight [g/mol]:</b>	152.23
<b>CAS:</b>	6712-78-3

## Physical Properties

Property code	Value	Unit	Source
gf	13.03	kJ/mol	Joback Method
hf	-221.31	kJ/mol	Joback Method
hfus	15.52	kJ/mol	Joback Method
hvap	54.02	kJ/mol	Joback Method
log10ws	-2.19		Crippen Method
logp	1.971		Crippen Method
mcvol	131.610	ml/mol	McGowan Method
pc	3199.16	kPa	Joback Method
tb	537.84	K	Joback Method
tc	734.16	K	Joback Method
tf	328.58	K	Joback Method
vc	0.503	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	335.67	J/molxK	537.84	Joback Method
cpg	349.94	J/molxK	570.56	Joback Method
cpg	363.29	J/molxK	603.28	Joback Method
cpg	375.84	J/molxK	636.00	Joback Method
cpg	387.71	J/molxK	668.72	Joback Method
cpg	399.00	J/molxK	701.44	Joback Method
cpg	409.83	J/molxK	734.16	Joback Method

# Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	376.70	K	1.50	NIST Webbook

## 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=C6712783&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6712783&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>

## 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>mcvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<b>tb:</b>	Normal Boiling Point Temperature
<b>tbrp:</b>	Boiling point at reduced pressure
<b>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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