

# 3-(1-Methoxyethenyl)tricyclo[2.2.1.0(2,6)]heptane

<b>Inchi:</b>	InChI=1S/C10H14O/c1-5(11-2)9-6-3-7-8(4-6)10(7)9/h6-10H,1,3-4H2,2H3
<b>InchiKey:</b>	JVENZBBEYHLHCHD-UHFFFAOYSA-N
<b>Formula:</b>	C10H14O
<b>SMILES:</b>	C=C(OC)C1C2CC3C(C2)C31
<b>Mol. weight [g/mol]:</b>	150.22
<b>CAS:</b>	103582-50-9

## Physical Properties

Property code	Value	Unit	Source
gf	198.64	kJ/mol	Joback Method
hf	-76.27	kJ/mol	Joback Method
hfus	21.00	kJ/mol	Joback Method
hvap	38.45	kJ/mol	Joback Method
log10ws	-1.92		Crippen Method
logp	2.048		Crippen Method
mcvol	120.750	ml/mol	McGowan Method
pc	2847.48	kPa	Joback Method
tb	449.52	K	Joback Method
tc	645.88	K	Joback Method
tf	261.35	K	Joback Method
vc	0.480	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	283.93	J/molxK	449.52	Joback Method
cpg	301.25	J/molxK	482.25	Joback Method
cpg	317.42	J/molxK	514.97	Joback Method
cpg	332.52	J/molxK	547.70	Joback Method
cpg	346.62	J/molxK	580.43	Joback Method
cpg	359.82	J/molxK	613.15	Joback Method
cpg	372.17	J/molxK	645.88	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C103582509&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C103582509&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>
<b>McGowan Method:</b>	<a href="http://link.springer.com/article/10.1007/BF02311772">http://link.springer.com/article/10.1007/BF02311772</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>tc:</b>	Critical Temperature
<b>tf:</b>	Normal melting (fusion) point
<b>vc:</b>	Critical Volume

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