

# o-Menth-6-ene

<b>Inchi:</b>	InChI=1S/C10H18/c1-8(2)10-7-5-4-6-9(10)3/h6,8,10H,4-5,7H2,1-3H3
<b>InchiKey:</b>	ICIZCMSDGDEVOQ-UHFFFAOYSA-N
<b>Formula:</b>	C10H18
<b>SMILES:</b>	CC1=CCCCC1C(C)C
<b>Mol. weight [g/mol]:</b>	138.25
<b>CAS:</b>	15582-50-0

## Physical Properties

Property code	Value	Unit	Source
gf	75.66	kJ/mol	Joback Method
hf	-154.38	kJ/mol	Joback Method
hfus	10.80	kJ/mol	Joback Method
hvap	38.85	kJ/mol	Joback Method
log10ws	-3.27		Crippen Method
logp	3.389		Crippen Method
mcvol	136.600	ml/mol	McGowan Method
pc	2646.11	kPa	Joback Method
tb	451.45	K	Joback Method
tc	656.32	K	Joback Method
tf	208.12	K	Joback Method
vc	0.508	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	286.78	J/molxK	451.45	Joback Method
cpg	369.91	J/molxK	622.17	Joback Method
cpg	354.99	J/molxK	588.03	Joback Method
cpg	339.23	J/molxK	553.88	Joback Method
cpg	322.63	J/molxK	519.74	Joback Method
cpg	305.15	J/molxK	485.59	Joback Method
cpg	384.04	J/molxK	656.32	Joback Method
dvisc	0.0002319	Paxs	451.45	Joback Method
dvisc	0.0003059	Paxs	410.89	Joback Method

dvisc	0.0004288	Paxs	370.34	Joback Method
dvisc	0.0006532	Paxs	329.78	Joback Method
dvisc	0.0011194	Paxs	289.23	Joback Method
dvisc	0.0022871	Paxs	248.67	Joback Method
dvisc	0.0061732	Paxs	208.12	Joback Method

## Sources

<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=C15582500&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C15582500&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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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