

# 2-Methyl-5-hexen-3-ol

<b>Inchi:</b>	InChI=1S/C7H14O/c1-4-5-7(8)6(2)3/h4,6-8H,1,5H2,2-3H3
<b>InchiKey:</b>	JKGMJZOZIJHPOH-UHFFFAOYSA-N
<b>Formula:</b>	C7H14O
<b>SMILES:</b>	C=CCC(O)C(C)C
<b>Mol. weight [g/mol]:</b>	114.19
<b>CAS:</b>	32815-70-6

## Physical Properties

Property code	Value	Unit	Source
gf	-45.80	kJ/mol	Joback Method
hf	-225.17	kJ/mol	Joback Method
hfus	9.65	kJ/mol	Joback Method
hvap	46.41	kJ/mol	Joback Method
log10ws	-1.74		Crippen Method
logp	1.579		Crippen Method
mcvol	111.060	ml/mol	McGowan Method
pc	3302.95	kPa	Joback Method
tb	447.54	K	Joback Method
tc	617.97	K	Joback Method
tf	197.71	K	Joback Method
vc	0.415	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	231.69	J/molxK	447.54	Joback Method
cpg	242.28	J/molxK	475.95	Joback Method
cpg	252.42	J/molxK	504.35	Joback Method
cpg	262.13	J/molxK	532.76	Joback Method
cpg	271.42	J/molxK	561.16	Joback Method
cpg	280.30	J/molxK	589.57	Joback Method
cpg	288.79	J/molxK	617.97	Joback Method
dvisc	0.4022587	Paxs	197.71	Joback Method
dvisc	0.0374006	Paxs	239.35	Joback Method

dvisc	0.0070307	Paxs	280.99	Joback Method
dvisc	0.0020346	Paxs	322.62	Joback Method
dvisc	0.0007818	Paxs	364.26	Joback Method
dvisc	0.0003655	Paxs	405.90	Joback Method
dvisc	0.0001969	Paxs	447.54	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=C32815706&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C32815706&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>
<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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