

# 5-Hepten-2-ol, 6-methyl-

<b>Other names:</b>	6-Methyl-5-hepten-2-ol 6-methylhept-5-en-2-ol 2-Methyl-2-hepten-6-ol (. +/-)-6-Methyl-5-hepten-2-ol Sulcatol NSC 66273 Methylheptenol DL-6-Methyl-5-hepten-2-ol 6-Methylhept-5-en-2-ol (Sulcatol)
<b>Inchi:</b>	InChI=1S/C8H16O/c1-7(2)5-4-6-8(3)9/h5,8-9H,4,6H2,1-3H3
<b>InchiKey:</b>	OHEFFKYKJVVOX-UHFFFAOYSA-N
<b>Formula:</b>	C8H16O
<b>SMILES:</b>	CC(C)=CCCC(C)O
<b>Mol. weight [g/mol]:</b>	128.21
<b>CAS:</b>	1569-60-4

## Physical Properties

Property code	Value	Unit	Source
gf	-51.11	kJ/mol	Joback Method
hf	-258.53	kJ/mol	Joback Method
hfus	15.93	kJ/mol	Joback Method
hvap	49.73	kJ/mol	Joback Method
log10ws	-2.40		Crippen Method
logp	2.114		Crippen Method
mcvol	125.150	ml/mol	McGowan Method
pc	2989.32	kPa	Joback Method
rinpol	979.00		NIST Webbook
rinpol	973.10		NIST Webbook
rinpol	993.00		NIST Webbook
rinpol	994.00		NIST Webbook
rinpol	985.00		NIST Webbook
rinpol	995.00		NIST Webbook
rinpol	992.00		NIST Webbook
rinpol	963.00		NIST Webbook
rinpol	1002.90		NIST Webbook
rinpol	993.00		NIST Webbook
rinpol	997.00		NIST Webbook

ripol	974.00		NIST Webbook
ripol	974.00		NIST Webbook
ripol	993.00		NIST Webbook
ripol	998.00		NIST Webbook
ripol	995.00		NIST Webbook
ripol	979.00		NIST Webbook
ripol	995.00		NIST Webbook
ripol	997.00		NIST Webbook
ripol	993.00		NIST Webbook
ripol	975.00		NIST Webbook
ripol	973.10		NIST Webbook
ripol	1473.00		NIST Webbook
ripol	1466.00		NIST Webbook
ripol	1478.00		NIST Webbook
ripol	1473.00		NIST Webbook
ripol	1464.00		NIST Webbook
ripol	1468.00		NIST Webbook
ripol	1468.00		NIST Webbook
ripol	1466.00		NIST Webbook
ripol	1469.00		NIST Webbook
ripol	1451.00		NIST Webbook
ripol	1446.00		NIST Webbook
ripol	1465.00		NIST Webbook
ripol	1461.00		NIST Webbook
ripol	1454.00		NIST Webbook
ripol	1466.00		NIST Webbook
ripol	1488.00		NIST Webbook
ripol	1466.00		NIST Webbook
ripol	1460.00		NIST Webbook
ripol	1462.00		NIST Webbook
ripol	1473.00		NIST Webbook
ripol	1468.00		NIST Webbook
ripol	1462.00		NIST Webbook
ripol	1452.00		NIST Webbook
ripol	1471.00		NIST Webbook
ripol	1471.00		NIST Webbook
ripol	1443.00		NIST Webbook
ripol	1443.00		NIST Webbook
ripol	1431.00		NIST Webbook
ripol	1467.00		NIST Webbook
ripol	1450.00		NIST Webbook
ripol	1454.00		NIST Webbook
tb	478.22	K	Joback Method
tc	651.29	K	Joback Method

tf	206.70	K	Joback Method
vc	0.477	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	273.37	J/mol×K	478.22	Joback Method
cpg	285.03	J/mol×K	507.07	Joback Method
cpg	296.16	J/mol×K	535.91	Joback Method
cpg	306.79	J/mol×K	564.76	Joback Method
cpg	316.94	J/mol×K	593.60	Joback Method
cpg	326.63	J/mol×K	622.45	Joback Method
cpg	335.88	J/mol×K	651.29	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C1569604&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C1569604&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>ripol:</b>	Non-polar retention indices
<b>ripol:</b>	Polar retention indices

**tb:** Normal Boiling Point Temperature  
**tc:** Critical Temperature  
**tf:** Normal melting (fusion) point  
**vc:** Critical Volume

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