

# 2,3,4-Trimethyl-5-hexen-3-ol

<b>Inchi:</b>	InChI=1S/C9H18O/c1-6-8(4)9(5,10)7(2)3/h6-8,10H,1H2,2-5H3
<b>InchiKey:</b>	MXUVULIBGSLKGS-UHFFFAOYSA-N
<b>Formula:</b>	C9H18O
<b>SMILES:</b>	C=CC(C)C(C)(O)C(C)C
<b>Mol. weight [g/mol]:</b>	142.24
<b>CAS:</b>	28638-29-1

## Physical Properties

Property code	Value	Unit	Source
gf	-26.12	kJ/mol	Joback Method
hf	-275.20	kJ/mol	Joback Method
hfus	7.41	kJ/mol	Joback Method
hvap	49.56	kJ/mol	Joback Method
log10ws	-2.34		Crippen Method
logp	2.216		Crippen Method
mcvol	139.240	ml/mol	McGowan Method
pc	2732.56	kPa	Joback Method
tb	490.07	K	Joback Method
tc	667.95	K	Joback Method
tf	222.67	K	Joback Method
vc	0.516	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	319.74	J/molxK	490.07	Joback Method
cpg	380.51	J/molxK	638.31	Joback Method
cpg	369.63	J/molxK	608.66	Joback Method
cpg	358.14	J/molxK	579.01	Joback Method
cpg	346.01	J/molxK	549.36	Joback Method
cpg	333.22	J/molxK	519.72	Joback Method
cpg	390.83	J/molxK	667.95	Joback Method
dvisc	0.0001372	Paxs	490.07	Joback Method
dvisc	0.0002599	Paxs	445.50	Joback Method

dvisc	0.0005674	Paxs	400.94	Joback Method
dvisc	0.0015054	Paxs	356.37	Joback Method
dvisc	0.0052794	Paxs	311.80	Joback Method
dvisc	0.0281374	Paxs	267.24	Joback Method
dvisc	0.2930020	Paxs	222.67	Joback Method

## Sources

<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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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=C28638291&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C28638291&amp;Units=SI</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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