

# 3-Nonen-2-ol

<b>Inchi:</b>	InChI=1S/C9H18O/c1-3-4-5-6-7-8-9(2)10/h7-10H,3-6H2,1-2H3/b8-7+
<b>InchiKey:</b>	YNVSGIMVJYMXHH-BQYQJAHWSA-N
<b>Formula:</b>	C9H18O
<b>SMILES:</b>	CCCCC=CC(C)O
<b>Mol. weight [g/mol]:</b>	142.24

## Physical Properties

Property code	Value	Unit	Source
gf	-34.14	kJ/mol	Joback Method
hf	-269.38	kJ/mol	Joback Method
hfus	19.83	kJ/mol	Joback Method
hvap	51.88	kJ/mol	Joback Method
log10ws	-2.82		Crippen Method
logp	2.504		Crippen Method
mcvol	139.240	ml/mol	McGowan Method
pc	2684.64	kPa	Joback Method
ripol	1568.00		NIST Webbook
tb	501.22	K	Joback Method
tc	670.12	K	Joback Method
tf	231.93	K	Joback Method
vc	0.532	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	317.33	J/molxK	501.22	Joback Method
cpg	329.69	J/molxK	529.37	Joback Method
cpg	341.52	J/molxK	557.52	Joback Method
cpg	352.83	J/molxK	585.67	Joback Method
cpg	363.63	J/molxK	613.82	Joback Method
cpg	373.96	J/molxK	641.97	Joback Method
cpg	383.83	J/molxK	670.12	Joback Method
dvisc	0.0939289	Paxs	231.93	Joback Method
dvisc	0.0124426	Paxs	276.81	Joback Method

dvisc	0.0028972	Paxs	321.69	Joback Method
dvisc	0.0009639	Paxs	366.58	Joback Method
dvisc	0.0004077	Paxs	411.46	Joback Method
dvisc	0.0002043	Paxs	456.34	Joback Method
dvisc	0.0001158	Paxs	501.22	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R237733&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R237733&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>

## 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>ripol:</b>	Polar retention indices
<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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