

# 9-Hydroxycarvone

<b>Inchi:</b>	InChI=1S/C10H14O2/c1-7-3-4-9(5-10(7)12)8(2)6-11/h3,9,11H,2,4-6H2,1H3
<b>InchiKey:</b>	SPYNQWDBZDOAGZ-UHFFFAOYSA-N
<b>Formula:</b>	C10H14O2
<b>SMILES:</b>	<chem>C=C(CO)C1CC=C(C)C(=O)C1</chem>
<b>Mol. weight [g/mol]:</b>	166.22

## Physical Properties

Property code	Value	Unit	Source
gf	-102.02	kJ/mol	Joback Method
hf	-323.39	kJ/mol	Joback Method
hfus	15.33	kJ/mol	Joback Method
hvap	59.57	kJ/mol	Joback Method
log10ws	-1.91		Crippen Method
logp	1.460		Crippen Method
mcvol	139.740	ml/mol	McGowan Method
pc	3163.27	kPa	Joback Method
rinpol	1386.00		NIST Webbook
rinpol	1386.00		NIST Webbook
rinpol	1397.00		NIST Webbook
tb	608.45	K	Joback Method
tc	817.50	K	Joback Method
tf	336.44	K	Joback Method
vc	0.522	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	359.30	J/molxK	608.45	Joback Method
cpg	373.38	J/molxK	643.29	Joback Method
cpg	386.71	J/molxK	678.13	Joback Method
cpg	399.29	J/molxK	712.97	Joback Method
cpg	411.13	J/molxK	747.81	Joback Method
cpg	422.23	J/molxK	782.66	Joback Method
cpg	432.60	J/molxK	817.50	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R229757&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R229757&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307I">http://pubs.acs.org/doi/abs/10.1021/ci990307I</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>hvp:</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>rinp:</b>	Non-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

Latest version available from:

<https://www.chemeo.com/cid/78-700-8/9-Hydroxycarvone.pdf>

Generated by Cheméo on 2024-04-18 02:27:32.644497115 +0000 UTC m=+15696501.565074427.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.