

# Pinocarvone

<b>Inchi:</b>	InChI=1S/C10H14O/c1-6-8-4-7(5-9(6)11)10(8,2)3/h7-8H,1,4-5H2,2-3H3
<b>InchiKey:</b>	TZDMGBLPGZXHJI-UHFFFAOYSA-N
<b>Formula:</b>	C10H14O
<b>SMILES:</b>	<chem>C=C1C(=O)CC2CC1C2(C)C</chem>
<b>Mol. weight [g/mol]:</b>	150.22
<b>CAS:</b>	34-41-3

## Physical Properties

Property code	Value	Unit	Source
gf	60.01	kJ/mol	Joback Method
hf	-168.85	kJ/mol	Joback Method
hfus	8.95	kJ/mol	Joback Method
hvap	40.80	kJ/mol	Joback Method
log10ws	-2.21		Crippen Method
logp	2.178		Crippen Method
mcvol	127.310	ml/mol	McGowan Method
pc	2995.87	kPa	Joback Method
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ripol	1586.00		NIST Webbook
ripol	1553.00		NIST Webbook
ripol	1565.00		NIST Webbook
tb	508.50	K	Joback Method
tc	733.65	K	Joback Method
tf	336.38	K	Joback Method
vc	0.489	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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cpg	306.45	J/mol×K	508.50	Joback Method
cpg	323.35	J/mol×K	546.02	Joback Method
cpg	339.14	J/mol×K	583.55	Joback Method
cpg	353.96	J/mol×K	621.07	Joback Method
cpg	367.92	J/mol×K	658.60	Joback Method
cpg	381.17	J/mol×K	696.12	Joback Method
cpg	393.81	J/mol×K	733.65	Joback Method

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C34413&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C34413&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>
<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>rinpol:</b>	Non-polar retention indices
<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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