

# «gamma»-Campholenyl formate

<b>Inchi:</b>	InChI=1S/C11H18O2/c1-9-4-5-10(11(9,2)3)6-7-13-8-12/h8,10H,1,4-7H2,2-3H3
<b>InchiKey:</b>	RGKTZMVHSUWHJD-UHFFFAOYSA-N
<b>Formula:</b>	C11H18O2
<b>SMILES:</b>	<chem>C=C1CCC(CCOC=O)C1(C)C</chem>
<b>Mol. weight [g/mol]:</b>	182.26

## Physical Properties

Property code	Value	Unit	Source
gf	-86.35	kJ/mol	Joback Method
hf	-348.55	kJ/mol	Joback Method
hfus	15.27	kJ/mol	Joback Method
hvap	48.17	kJ/mol	Joback Method
log10ws	-2.55		Crippen Method
logp	2.542		Crippen Method
mvol	158.130	ml/mol	McGowan Method
pc	2485.07	kPa	Joback Method
rinpol	1200.00		NIST Webbook
rinpol	1200.00		NIST Webbook
tb	532.17	K	Joback Method
tc	732.08	K	Joback Method
tf	322.20	K	Joback Method
vc	0.609	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	384.62	J/mol×K	532.17	Joback Method
cpg	400.83	J/mol×K	565.49	Joback Method
cpg	416.17	J/mol×K	598.81	Joback Method
cpg	430.74	J/mol×K	632.13	Joback Method
cpg	444.59	J/mol×K	665.45	Joback Method
cpg	457.82	J/mol×K	698.76	Joback Method
cpg	470.49	J/mol×K	732.08	Joback Method

# Sources

<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=R232916&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R232916&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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</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>hvpap:</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>rlnpol:</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

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