

# «alpha»-geraniol

<b>Inchi:</b>	InChI=1S/C10H18O/c1-9(2)5-4-6-10(3)7-8-11/h7,11H,1,4-6,8H2,2-3H3/b10-7+
<b>InchiKey:</b>	RIFSGUJLMACJMI-JXMROGBWSA-N
<b>Formula:</b>	C10H18O
<b>SMILES:</b>	<chem>C=C(C)CCCC(C)=CCO</chem>
<b>Mol. weight [g/mol]:</b>	154.25

## Physical Properties

Property code	Value	Unit	Source
gf	47.46	kJ/mol	Joback Method
hf	-178.89	kJ/mol	Joback Method
hfus	22.05	kJ/mol	Joback Method
hvap	53.98	kJ/mol	Joback Method
log10ws	-2.98		Crippen Method
logp	2.671		Crippen Method
mcvol	149.030	ml/mol	McGowan Method
pc	2545.61	kPa	Joback Method
rinqol	1364.00		NIST Webbook
tb	520.98	K	Joback Method
tc	693.94	K	Joback Method
tf	228.52	K	Joback Method
vc	0.578	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	343.72	J/mol×K	520.98	Joback Method
cpg	356.37	J/mol×K	549.81	Joback Method
cpg	368.44	J/mol×K	578.63	Joback Method
cpg	379.93	J/mol×K	607.46	Joback Method
cpg	390.89	J/mol×K	636.29	Joback Method
cpg	401.34	J/mol×K	665.11	Joback Method
cpg	411.31	J/mol×K	693.94	Joback Method

# Sources

<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=R501074&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R501074&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>

# 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>rinpola:</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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