

# Epoxygeranial

<b>Inchi:</b>	InChI=1S/C10H16O2/c1-8(6-7-11)4-5-9-10(2,3)12-9/h6-7,9H,4-5H2,1-3H3/b8-6+
<b>InchiKey:</b>	VZUZJYDKCIVBDN-SOFGYWHQSA-N
<b>Formula:</b>	C10H16O2
<b>SMILES:</b>	CC(=CC=O)CCC1OC1(C)C
<b>Mol. weight [g/mol]:</b>	168.23

## Physical Properties

Property code	Value	Unit	Source
gf	-33.10	kJ/mol	Joback Method
hf	-292.18	kJ/mol	Joback Method
hfus	23.72	kJ/mol	Joback Method
hvap	47.58	kJ/mol	Joback Method
log10ws	-2.35		Crippen Method
logp	2.089		Crippen Method
mvol	144.040	ml/mol	McGowan Method
pc	2729.71	kPa	Joback Method
rmpol	1238.00		NIST Webbook
tb	510.16	K	Joback Method
tc	710.14	K	Joback Method
tf	289.59	K	Joback Method
vc	0.569	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	343.52	J/mol×K	510.16	Joback Method
cpg	358.16	J/mol×K	543.49	Joback Method
cpg	371.81	J/mol×K	576.82	Joback Method
cpg	384.59	J/mol×K	610.15	Joback Method
cpg	396.62	J/mol×K	643.48	Joback Method
cpg	408.01	J/mol×K	676.81	Joback Method
cpg	418.87	J/mol×K	710.14	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R435086&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R435086&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>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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