

# citronellyl geranylate

<b>Inchi:</b>	InChI=1S/C20H34O2/c1-16(2)9-7-11-18(5)13-14-22-20(21)15-19(6)12-8-10-17(3)4/h9-10
<b>InchiKey:</b>	KOTJSBCCZGEHBD-CMAIMYMYSA-N
<b>Formula:</b>	C20H34O2
<b>SMILES:</b>	CC(C)=CCCC(C)=CC(=O)OCCC(C)CCC=C(C)C
<b>Mol. weight [g/mol]:</b>	306.48

## Physical Properties

Property code	Value	Unit	Source
gf	96.17	kJ/mol	Joback Method
hf	-383.92	kJ/mol	Joback Method
hfus	43.50	kJ/mol	Joback Method
hvap	69.00	kJ/mol	Joback Method
log10ws	-6.38		Crippen Method
logp	5.995		Crippen Method
mvol	287.200	ml/mol	McGowan Method
pc	1178.47	kPa	Joback Method
rmpol	2117.00		NIST Webbook
rmpol	2117.00		NIST Webbook
tb	744.97	K	Joback Method
tc	934.31	K	Joback Method
tf	315.20	K	Joback Method
vc	1.117	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	837.99	J/molxK	744.97	Joback Method
cpg	856.83	J/molxK	776.53	Joback Method
cpg	874.73	J/molxK	808.08	Joback Method
cpg	891.74	J/molxK	839.64	Joback Method
cpg	907.93	J/molxK	871.20	Joback Method
cpg	923.34	J/molxK	902.76	Joback Method
cpg	938.05	J/molxK	934.31	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=R395621&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R395621&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>

# 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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