

# Viridifloral

**Inchi:** InChI=1S/C15H24O/c1-9-4-6-11-10(8-16)5-7-12-14(13(9)11)15(12,2)3/h8-14H,4-7H2,1-3  
**InchiKey:** IAXCQXJSJZSKES-CQYVWIKOSA-N  
**Formula:** C15H24O  
**SMILES:** CC1CCC2C(C=O)CCC3C(C12)C3(C)C  
**Mol. weight [g/mol]:** 220.35

## Physical Properties

Property code	Value	Unit	Source
gf	97.62	kJ/mol	Joback Method
hf	-298.55	kJ/mol	Joback Method
hfus	25.09	kJ/mol	Joback Method
hvap	53.40	kJ/mol	Joback Method
log10ws	-3.37		Crippen Method
logp	3.530		Crippen Method
mcvol	191.200	ml/mol	McGowan Method
pc	2009.10	kPa	Joback Method
rinpol	1588.00		NIST Webbook
rinpol	1588.00		NIST Webbook
rinpol	1587.00		NIST Webbook
rinpol	1591.00		NIST Webbook
rinpol	1592.00		NIST Webbook
rinpol	1579.00		NIST Webbook
rinpol	1587.00		NIST Webbook
rinpol	1579.00		NIST Webbook
ripol	2100.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2100.00		NIST Webbook
ripol	2090.00		NIST Webbook
ripol	2100.00		NIST Webbook
tb	601.58	K	Joback Method
tc	817.77	K	Joback Method
tf	354.53	K	Joback Method
vc	0.742	m <sup>3</sup> /kmol	Joback Method

# Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	556.23	J/mol×K	601.58	Joback Method
cpg	579.24	J/mol×K	637.61	Joback Method
cpg	600.85	J/mol×K	673.64	Joback Method
cpg	621.24	J/mol×K	709.67	Joback Method
cpg	640.55	J/mol×K	745.70	Joback Method
cpg	658.97	J/mol×K	781.74	Joback Method
cpg	676.64	J/mol×K	817.77	Joback Method

## Sources

<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>
<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R203824&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R203824&amp;Units=SI</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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