

# 8 «alpha»-13-Oxy-14-en-epilabdane

<b>Inchi:</b>	InChI=1S/C20H36O/c1-7-19(5,21)14-11-16-15(2)9-10-17-18(3,4)12-8-13-20(16,17)6/h7,11,13,15,17,19,21
<b>InchiKey:</b>	FLVAXXPTIPADIG-AAKURSQFSA-N
<b>Formula:</b>	C20H36O
<b>SMILES:</b>	C=CC(C)(O)CCC1C(C)CCC2C(C)(C)CCCC12C
<b>Mol. weight [g/mol]:</b>	292.50

## Physical Properties

Property code	Value	Unit	Source
gf	110.37	kJ/mol	Joback Method
hf	-401.26	kJ/mol	Joback Method
hfus	21.44	kJ/mol	Joback Method
hvap	72.11	kJ/mol	Joback Method
log10ws	-6.00		Crippen Method
logp	5.582		Crippen Method
mcvol	272.510	ml/mol	McGowan Method
pc	1441.35	kPa	Joback Method
ripol	2391.00		NIST Webbook
ripol	2396.00		NIST Webbook
ripol	2396.00		NIST Webbook
tb	759.66	K	Joback Method
tc	965.92	K	Joback Method
tf	433.52	K	Joback Method
vc	1.020	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	886.93	J/mol×K	759.66	Joback Method
cpg	910.13	J/mol×K	794.04	Joback Method
cpg	932.71	J/mol×K	828.41	Joback Method
cpg	954.90	J/mol×K	862.79	Joback Method
cpg	976.92	J/mol×K	897.17	Joback Method
cpg	999.00	J/mol×K	931.55	Joback Method
cpg	1021.35	J/mol×K	965.92	Joback Method

# Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=R402318&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R402318&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>hvp:</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>ripl:</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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