

# (+)-Eudesma-(8S,10S)-Eudesma-4,11-diene-8«

<b>Inchi:</b>	InChI=1S/C15H24O/c1-10(2)12-8-13-11(3)6-5-7-15(13,4)9-14(12)16/h12,14,16H,1,5-9H2
<b>InchiKey:</b>	DEJQXLRIIOLSAB-NWANDNLSSA-N
<b>Formula:</b>	C15H24O
<b>SMILES:</b>	<chem>C=C(C)C1CC2=C(C)CCCC2(C)CC1O</chem>
<b>Mol. weight [g/mol]:</b>	220.35

## Physical Properties

Property code	Value	Unit	Source
gf	88.49	kJ/mol	Joback Method
hf	-238.82	kJ/mol	Joback Method
hfus	19.19	kJ/mol	Joback Method
hvap	65.74	kJ/mol	Joback Method
log10ws	-4.49		Crippen Method
logp	3.840		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2181.56	kPa	Joback Method
rinpol	1648.00		NIST Webbook
tb	666.59	K	Joback Method
tc	875.76	K	Joback Method
tf	371.17	K	Joback Method
vc	0.742	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	572.00	J/molxK	666.59	Joback Method
cpg	590.73	J/molxK	701.45	Joback Method
cpg	608.54	J/molxK	736.31	Joback Method
cpg	625.54	J/molxK	771.17	Joback Method
cpg	641.88	J/molxK	806.04	Joback Method
cpg	657.66	J/molxK	840.90	Joback Method
cpg	673.03	J/molxK	875.76	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=R561472&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R561472&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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