

# 7«alpha»-Hydroxyeudesm-4-en-6-one

<b>Inchi:</b>	InChI=1S/C15H24O2/c1-10(2)15(17)9-8-14(4)7-5-6-11(3)12(14)13(15)16/h10,17H,5-9H2
<b>InchiKey:</b>	ZANHXCFRKGJIZ-LSDHHAIUSA-N
<b>Formula:</b>	C15H24O2
<b>SMILES:</b>	CC1=C2C(=O)C(O)(C(C)C)CCC2(C)CCC1
<b>Mol. weight [g/mol]:</b>	236.35

## Physical Properties

Property code	Value	Unit	Source
gf	-113.61	kJ/mol	Joback Method
hf	-461.86	kJ/mol	Joback Method
hfus	10.40	kJ/mol	Joback Method
hvap	69.35	kJ/mol	Joback Method
log10ws	-3.92		Crippen Method
logp	3.243		Crippen Method
mcvol	203.630	ml/mol	McGowan Method
pc	2340.56	kPa	Joback Method
rinpol	1702.00		NIST Webbook
rinpol	1702.00		NIST Webbook
tb	742.32	K	Joback Method
tc	966.16	K	Joback Method
tf	468.25	K	Joback Method
vc	0.759	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	625.48	J/mol×K	742.32	Joback Method
cpg	644.35	J/mol×K	779.63	Joback Method
cpg	662.84	J/mol×K	816.93	Joback Method
cpg	681.18	J/mol×K	854.24	Joback Method
cpg	699.58	J/mol×K	891.55	Joback Method
cpg	718.25	J/mol×K	928.86	Joback Method
cpg	737.41	J/mol×K	966.16	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.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.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=R438203&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R438203&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>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>rinp:</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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