

# (+)-(4S,5R,6R,7S,10S)-6«beta»-Hydroxyeudesmen

<b>Inchi:</b>	InChI=1S/C15H26O/c1-10(2)12-7-9-15(4)8-5-6-11(3)13(15)14(12)16/h11-14,16H,1,5-9H
<b>InchiKey:</b>	QZOCRPIQQKLQHN-ZSAUSMIDSA-N
<b>Formula:</b>	C15H26O
<b>SMILES:</b>	C=C(C)C1CCC2(C)CCCC(C)C2C1O
<b>Mol. weight [g/mol]:</b>	222.37

## Physical Properties

Property code	Value	Unit	Source
gf	62.37	kJ/mol	Joback Method
hf	-314.34	kJ/mol	Joback Method
hfus	20.89	kJ/mol	Joback Method
hvap	63.51	kJ/mol	Joback Method
log10ws	-4.15		Crippen Method
logp	3.776		Crippen Method
mcvol	202.060	ml/mol	McGowan Method
pc	2041.91	kPa	Joback Method
rinpol	1643.00		NIST Webbook
tb	648.13	K	Joback Method
tc	853.75	K	Joback Method
tf	336.89	K	Joback Method
vc	0.753	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	598.16	J/mol×K	648.13	Joback Method
cpg	619.17	J/mol×K	682.40	Joback Method
cpg	639.08	J/mol×K	716.67	Joback Method
cpg	658.00	J/mol×K	750.94	Joback Method
cpg	676.06	J/mol×K	785.21	Joback Method
cpg	693.38	J/mol×K	819.48	Joback Method
cpg	710.06	J/mol×K	853.75	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=R561343&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R561343&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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