

# Eudesma-2,6,8-triene

<b>Inchi:</b>	InChI=1S/C15H22/c1-11(2)13-7-9-15(4)8-5-6-12(3)14(15)10-13/h5-7,9-12,14H,8H2,1-4H
<b>InchiKey:</b>	BFYTTXKZKHLFMT-PESDSKBTSA-N
<b>Formula:</b>	C15H22
<b>SMILES:</b>	CC(C)C1=CC2C(C)C=CCC2(C)C=C1
<b>Mol. weight [g/mol]:</b>	202.34

## Physical Properties

Property code	Value	Unit	Source
gf	213.13	kJ/mol	Joback Method
hf	-80.48	kJ/mol	Joback Method
hfus	17.00	kJ/mol	Joback Method
hvap	49.19	kJ/mol	Joback Method
log10ws	-4.49		Crippen Method
logp	4.357		Crippen Method
mcvol	187.590	ml/mol	McGowan Method
pc	2094.58	kPa	Joback Method
rinsol	1443.00		NIST Webbook
tb	570.75	K	Joback Method
tc	795.94	K	Joback Method
tf	300.07	K	Joback Method
vc	0.707	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	481.34	J/mol×K	570.75	Joback Method
cpg	503.27	J/mol×K	608.28	Joback Method
cpg	523.77	J/mol×K	645.81	Joback Method
cpg	543.02	J/mol×K	683.35	Joback Method
cpg	561.17	J/mol×K	720.88	Joback Method
cpg	578.37	J/mol×K	758.41	Joback Method
cpg	594.80	J/mol×K	795.94	Joback Method

# Sources

<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=R224905&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R224905&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci990307l">http://pubs.acs.org/doi/abs/10.1021/ci990307l</a>
<b>Crippen Method:</b>	<a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</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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