

# 10-epi-Acora-2,4-diene

<b>Inchi:</b>	InChI=1S/C15H24/c1-11(2)14-6-5-13(4)15(14)9-7-12(3)8-10-15/h7-9,11,13-14H,5-6,10H
<b>InchiKey:</b>	ZQMYLSWMANINAL-SOUVJXGZSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	CC1=CCC2(C=C1)C(C)CCC2C(C)C
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	183.17	kJ/mol	Joback Method
hf	-138.26	kJ/mol	Joback Method
hfus	15.78	kJ/mol	Joback Method
hvap	48.90	kJ/mol	Joback Method
log10ws	-4.63		Crippen Method
logp	4.581		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	2027.23	kPa	Joback Method
rinpol	1437.00		NIST Webbook
ripol	1620.00		NIST Webbook
ripol	1620.00		NIST Webbook
tb	571.59	K	Joback Method
tc	794.61	K	Joback Method
tf	299.31	K	Joback Method
vc	0.721	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	501.14	J/molxK	571.59	Joback Method
cpg	524.19	J/molxK	608.76	Joback Method
cpg	545.79	J/molxK	645.93	Joback Method
cpg	566.10	J/molxK	683.10	Joback Method
cpg	585.27	J/molxK	720.27	Joback Method
cpg	603.45	J/molxK	757.44	Joback Method
cpg	620.81	J/molxK	794.61	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=R198495&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R198495&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>
<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>rinpolar:</b>	Non-polar retention indices
<b>ripolar:</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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