

# Acora-4,10-diene

<b>Inchi:</b>	InChI=1S/C15H24/c1-11(2)14-6-5-13(4)15(14)9-7-12(3)8-10-15/h7,11,14H,4-6,8-10H2,1
<b>InchiKey:</b>	QZGRYPDXCBFNRS-UHFFFAOYSA-N
<b>Formula:</b>	C15H24
<b>SMILES:</b>	<chem>C=C1CCC(C(C)C)C12CC=C(C)CC2</chem>
<b>Mol. weight [g/mol]:</b>	204.35

## Physical Properties

Property code	Value	Unit	Source
gf	214.00	kJ/mol	Joback Method
hf	-91.46	kJ/mol	Joback Method
hfus	12.33	kJ/mol	Joback Method
hvap	49.07	kJ/mol	Joback Method
log10ws	-4.87		Crippen Method
logp	4.725		Crippen Method
mcvol	191.890	ml/mol	McGowan Method
pc	2056.76	kPa	Joback Method
rinpol	1457.00		NIST Webbook
ripol	1638.00		NIST Webbook
ripol	1638.00		NIST Webbook
tb	576.26	K	Joback Method
tc	799.10	K	Joback Method
tf	316.47	K	Joback Method
vc	0.720	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	499.60	J/molxK	576.26	Joback Method
cpg	522.01	J/molxK	613.40	Joback Method
cpg	543.03	J/molxK	650.54	Joback Method
cpg	562.83	J/molxK	687.68	Joback Method
cpg	581.54	J/molxK	724.82	Joback Method
cpg	599.33	J/molxK	761.96	Joback Method
cpg	616.34	J/molxK	799.10	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=R231468&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=R231468&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.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>

# 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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