

# Tricyclo[4.3.2.0(1,6)]undeca-2,4-diene

<b>Inchi:</b>	InChI=1S/C11H14/c1-2-5-11-7-3-6-10(11,4-1)8-9-11/h1-2,4-5H,3,6-9H2
<b>InchiKey:</b>	PUARENVJYQCFIK-UHFFFAOYSA-N
<b>Formula:</b>	C11H14
<b>SMILES:</b>	<chem>C1=CC23CCCC2(C=C1)CC3</chem>
<b>Mol. weight [g/mol]:</b>	146.23
<b>CAS:</b>	6706-53-2

## Physical Properties

Property code	Value	Unit	Source
gf	256.44	kJ/mol	Joback Method
hf	102.09	kJ/mol	Joback Method
hfus	3.23	kJ/mol	Joback Method
hvap	38.75	kJ/mol	Joback Method
log10ws	-3.34		Crippen Method
logp	3.063		Crippen Method
mcvol	124.670	ml/mol	McGowan Method
pc	3722.56	kPa	Joback Method
tb	483.31	K	Joback Method
tc	728.22	K	Joback Method
tf	314.07	K	Joback Method
vc	0.475	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.95	J/mol×K	483.31	Joback Method
cpg	307.57	J/mol×K	524.13	Joback Method
cpg	324.92	J/mol×K	564.95	Joback Method
cpg	340.41	J/mol×K	605.76	Joback Method
cpg	354.45	J/mol×K	646.58	Joback Method
cpg	367.43	J/mol×K	687.40	Joback Method
cpg	379.75	J/mol×K	728.22	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=C6706532&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C6706532&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>h vap:</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>m cvol:</b>	McGowan's characteristic volume
<b>pc:</b>	Critical Pressure
<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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