

# 1H-Indene, 1,1-dimethyl-

<b>Other names:</b>	Indene, 1,1-dimethyl- 1,1-Dimethylindene 3,3-Dimethylindene
<b>Inchi:</b>	InChI=1S/C11H12/c1-11(2)8-7-9-5-3-4-6-10(9)11/h3-8H,1-2H3
<b>InchiKey:</b>	HVBHEPYJVAMWCY-UHFFFAOYSA-N
<b>Formula:</b>	C11H12
<b>SMILES:</b>	CC1(C)C=Cc2ccccc21
<b>Mol. weight [g/mol]:</b>	144.21
<b>CAS:</b>	18636-55-0

## Physical Properties

Property code	Value	Unit	Source
gf	229.74	kJ/mol	Joback Method
hf	100.51	kJ/mol	Joback Method
hfus	10.96	kJ/mol	Joback Method
hvap	42.07	kJ/mol	Joback Method
log10ws	-3.08		Crippen Method
logp	2.991		Crippen Method
mcvol	126.930	ml/mol	McGowan Method
pc	3276.53	kPa	Joback Method
tb	488.88	K	Joback Method
tc	720.85	K	Joback Method
tf	295.27	K	Joback Method
vc	0.484	m3/kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	270.35	J/molxK	488.88	Joback Method
cpg	285.88	J/molxK	527.54	Joback Method
cpg	300.07	J/molxK	566.20	Joback Method
cpg	313.08	J/molxK	604.87	Joback Method
cpg	325.10	J/molxK	643.53	Joback Method
cpg	336.30	J/molxK	682.19	Joback Method

## Sources

<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</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>
<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=C18636550&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C18636550&amp;Units=SI</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>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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