

# 1H-Indene, 2,3-dihydro-1,1,6-trimethyl-

<b>Other names:</b>	Indan, 1,1,6-trimethyl- 1,1,6-Trimethylindan
<b>Inchi:</b>	InChI=1S/C12H16/c1-9-4-5-10-6-7-12(2,3)11(10)8-9/h4-5,8H,6-7H2,1-3H3
<b>InchiKey:</b>	OEAUYEGWUJMPQQ-UHFFFAOYSA-N
<b>Formula:</b>	C12H16
<b>SMILES:</b>	<chem>Cc1ccc2c(c1)C(C)(C)CC2</chem>
<b>Mol. weight [g/mol]:</b>	160.26
<b>CAS:</b>	14276-95-0

## Physical Properties

Property code	Value	Unit	Source
gf	198.57	kJ/mol	Joback Method
hf	10.62	kJ/mol	Joback Method
hfus	11.94	kJ/mol	Joback Method
hvap	44.67	kJ/mol	Joback Method
log10ws	-3.54		Crippen Method
logp	3.219		Crippen Method
mvol	145.320	ml/mol	McGowan Method
pc	2787.66	kPa	Joback Method
tb	517.58	K	Joback Method
tc	744.34	K	Joback Method
tf	318.30	K	Joback Method
vc	0.554	m <sup>3</sup> /kmol	Joback Method

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	332.59	J/molxK	517.58	Joback Method
cpg	349.69	J/molxK	555.37	Joback Method
cpg	365.53	J/molxK	593.17	Joback Method
cpg	380.29	J/molxK	630.96	Joback Method
cpg	394.12	J/molxK	668.75	Joback Method
cpg	407.20	J/molxK	706.55	Joback Method
cpg	419.67	J/molxK	744.34	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.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>
<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=C14276950&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C14276950&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

Latest version available from:

<https://www.cheméo.com/cid/49-539-0/1H-Indene-2-3-dihydro-1-1-6-trimethyl.pdf>

Generated by Cheméo on 2024-04-20 05:21:14.890472504 +0000 UTC m=+15879723.811049820.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.