

1H-Indene, 2,3-dihydro-1,6-dimethyl-

Other names:	1,6-Dimethylindan
Inchi:	InChI=1S/C11H14/c1-8-3-5-10-6-4-9(2)11(10)7-8/h3,5,7,9H,4,6H2,1-2H3
InchiKey:	UVRVNMDNGVIBGM-UHFFFAOYSA-N
Formula:	C11H14
SMILES:	<chem>Cc1ccc2c(c1)C(C)CC2</chem>
Mol. weight [g/mol]:	146.23
CAS:	17059-48-2

Physical Properties

Property code	Value	Unit	Source
gf	195.64	kJ/mol	Joback Method
hf	16.02	kJ/mol	Joback Method
hfus	15.64	kJ/mol	Joback Method
hvap	43.59	kJ/mol	Joback Method
log10ws	-3.41		Crippen Method
logp	3.045		Crippen Method
mcvol	131.230	ml/mol	McGowan Method
pc	2944.08	kPa	Joback Method
tb	494.46	K	Joback Method
tc	715.50	K	Joback Method
tf	283.13	K	Joback Method
vc	0.500	m ³ /kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	287.08	J/mol×K	494.46	Joback Method
cpg	303.50	J/mol×K	531.30	Joback Method
cpg	318.89	J/mol×K	568.14	Joback Method
cpg	333.30	J/mol×K	604.98	Joback Method
cpg	346.79	J/mol×K	641.82	Joback Method
cpg	359.42	J/mol×K	678.66	Joback Method
cpg	371.25	J/mol×K	715.50	Joback Method
dvisc	0.0012544	Paxs	283.13	Joback Method

dvisc	0.0009317	Paxs	318.35	Joback Method
dvisc	0.0007342	Paxs	353.57	Joback Method
dvisc	0.0006041	Paxs	388.80	Joback Method
dvisc	0.0005134	Paxs	424.02	Joback Method
dvisc	0.0004474	Paxs	459.24	Joback Method
dvisc	0.0003975	Paxs	494.46	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17059482&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
gf:	Standard Gibbs free energy of formation
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
pc:	Critical Pressure
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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