1H-Indene, 2,3-dihydro-1,1,2,3,3-pentamethyl-

Other names:	1,1,2,3,3-Pentamethylindane
	Indan, 1,1,2,3,3-pentamethyl-
	1,1,2,3,3-Pentamethylindan
Inchi:	InChI=1S/C14H20/c1-10-13(2,3)11-8-6-7-9-12(11)14(10,4)5/h6-10H,1-5H3
InchiKey:	ZCMKNGQFIXAHLP-UHFFFAOYSA-N
Formula:	C14H20
SMILES:	CC1C(C)(C)c2ccccc2C1(C)C
Mol. weight [g/mol]:	188.31
CAS:	1203-17-4

Physical Properties

Property code	Value	Unit	Source
gf	204.13	kJ/mol	Joback Method
hf	-44.63	kJ/mol	Joback Method
hfus	13.35	kJ/mol	Joback Method
hvap	46.69	kJ/mol	Joback Method
log10ws	-3.75		Crippen Method
logp	3.891		Crippen Method
mcvol	173.500	ml/mol	McGowan Method
pc	2284.95	kPa	Joback Method
tb	549.26	K	Joback Method
tc	775.89	K	Joback Method
tf	343.74	K	Joback Method
vc	0.662	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	428.87	J/mol×K	549.26	Joback Method
cpg	448.32	J/mol×K	587.03	Joback Method
cpg	466.41	J/mol×K	624.80	Joback Method
cpg	483.39	J/mol×K	662.58	Joback Method
cpg	499.53	J/mol×K	700.35	Joback Method
cpg	515.08	J/mol×K	738.12	Joback Method

cpg	530.30	J/mol×K	775.89	Joback Method

Sources

Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C1203174&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

cpg:	Ideal gas heat capacity
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