1H-INDENE, 1,3-DIMETHYL-

Other names: (.+-.)-1,3-dimethyl-1H-indene
Inchi: InChI=1S/C11H12/c1-8-7-9(2)11-6-4-3-5-10(8)11/h3-8H,1-2H3
InchiKey: DZTYCPNBSJZKSS-UHFFFAOYSA-N
Formula: C11H12
SMILES: CC1=CC(C)c2ccccc21
Mol. weight [g/mol]: 144.22

Physical Properties

Property code	Value	Unit	Source
hf	125.17	kJ/mol	Cheméo Relay (1.0)
hfus	16.87	kJ/mol	Joback Method
hvap	56.66	kJ/mol	Cheméo Relay (1.0)
logp	3.207		Crippen Method
mcvol	126.930	ml/mol	McGowan Method
tf	262.94	K	Cheméo Relay (1.0)

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	270.43	J/mol×K	493.62	Joback Method
cpg	285.57	J/mol×K	530.84	Joback Method
cpg	299.70	J/mol×K	568.06	Joback Method
cpg	312.89	J/mol×K	605.29	Joback Method
cpg	325.20	J/mol×K	642.51	Joback Method
cpg	336.69	J/mol×K	679.73	Joback Method
cpg	347.42	J/mol×K	716.95	Joback Method
dvisc	0.0010621	Pa×s	283.89	Joback Method
dvisc	0.0008214	Pa×s	318.84	Joback Method
dvisc	0.0006684	Pa×s	353.80	Joback Method
dvisc	0.0005644	Pa×s	388.75	Joback Method
dvisc	0.0004900	Pa×s	423.71	Joback Method
dvisc	0.0004348	Pa×s	458.67	Joback Method
dvisc	0.0003923	Pa×s	493.62	Joback Method

Sources

Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C2177482&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hf:	Enthalpy of formation at standard conditions
hfus:	Enthalpy of fusion at standard conditions
hvap:	Enthalpy of vaporization at standard conditions
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume
tf:	Normal melting (fusion) point