1,3-CYCLOHEXADIENE, 5,6-DIMETHYL-

Inchi: InChI=1S/C8H12/c1-7-5-3-4-6-8(7)2/h3-8H,1-2H3
InchiKey: CJSMAFKHKCZRCX-UHFFFAOYSA-N
Formula: C8H12
SMILES: CC1C=CC=CC1C
Mol. weight [g/mol]: 108.18

Physical Properties

Property code	Value	Unit	Source
hfus	11.83	kJ/mol	Joback Method
ie	8.37	eV	Cheméo Relay (1.0)
logp	2.385		Crippen Method
mcvol	104.120	ml/mol	McGowan Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	187.38	J/mol×K	395.64	Joback Method
cpg	202.57	J/mol×K	429.74	Joback Method
cpg	217.02	J/mol×K	463.85	Joback Method
cpg	230.76	J/mol×K	497.95	Joback Method
cpg	243.80	J/mol×K	532.05	Joback Method
cpg	256.15	J/mol×K	566.15	Joback Method
cpg	267.84	J/mol×K	600.26	Joback Method
dvisc	0.0020183	Pa×s	184.58	Joback Method
dvisc	0.0010543	Pa×s	219.76	Joback Method
dvisc	0.0006589	Pa×s	254.93	Joback Method
dvisc	0.0004614	Pa×s	290.11	Joback Method
dvisc	0.0003491	Pa×s	325.29	Joback Method
dvisc	0.0002788	Pa×s	360.46	Joback Method
dvisc	0.0002318	Pa×s	395.64	Joback Method

Sources

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):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C5715275&Units=SI
Joback Method:	https://en.wikipedia.org/wiki/Joback_method
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

Legend

cpg:	Ideal gas heat capacity
dvisc:	Dynamic viscosity
hfus:	Enthalpy of fusion at standard conditions
ie:	Ionization energy
logp:	Octanol/Water partition coefficient
mcvol:	McGowan's characteristic volume