Cyclohexene, 3-iodo

Inchi: InChI=1S/C6H9I/c7-6-4-2-1-3-5-6/h2,4,6H,1,3,5H2
InchiKey: HQZFWVYLQAPSHX-UHFFFAOYSA-N
Formula: C6H9I
SMILES: IC1C=CCCC1
Mol. weight [g/mol]: 208.04

Physical Properties

Property code	Value	Unit	Source
gf	112.17	kJ/mol	Joback Method
hf	21.80	kJ/mol	Joback Method
hfus	8.76	kJ/mol	Joback Method
hvap	39.04	kJ/mol	Joback Method
log10ws	-3.14		Crippen Method
logp	2.530		Crippen Method
mcvol	106.060	ml/mol	McGowan Method
pc	4031.24	kPa	Joback Method
rinpol	1075.00		NIST Webbook
rinpol	1075.00		NIST Webbook
tb	448.53	K	Joback Method
tc	697.74	K	Joback Method
tf	223.58	K	Joback Method
vc	0.379	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	175.10	J/mol×K	448.53	Joback Method
cpg	188.79	J/mol×K	490.06	Joback Method
cpg	201.50	J/mol×K	531.60	Joback Method
cpg	213.28	J/mol×K	573.13	Joback Method
cpg	224.17	J/mol×K	614.67	Joback Method
cpg	234.23	J/mol×K	656.20	Joback Method
cpg	243.50	J/mol×K	697.74	Joback Method
dvisc	0.0067198	Pa×s	223.58	Joback Method

dvisc	0.0029927	Pa×s	261.07	Joback Method
dvisc	0.0016331	Pa×s	298.56	Joback Method
dvisc	0.0010201	Pa×s	336.05	Joback Method
dvisc	0.0007003	Pa×s	373.55	Joback Method
dvisc	0.0005149	Pa×s	411.04	Joback Method
dvisc	0.0003986	Pa×s	448.53	Joback Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
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=R25455&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume