3-cyclohexen-1-ol-5-methylene-6-isopropylene

Inchi: InChI=1S/C10H14O/c1-7(2)10-8(3)5-4-6-9(10)11/h4-5,9,11H,3,6H2,1-2H3
InchiKey: NPVYFCXJQXSALA-UHFFFAOYSA-N
Formula: C10H14O
SMILES: C=C1C=CCC(O)C1=C(C)C
Mol. weight [g/mol]: 150.22

Physical Properties

Property code	Value	Unit	Source
gf	40.90	kJ/mol	Joback Method
hf	-139.38	kJ/mol	Joback Method
hfus	16.66	kJ/mol	Joback Method
hvap	56.28	kJ/mol	Joback Method
log10ws	-2.84		Crippen Method
logp	2.200		Crippen Method
mcvol	133.870	ml/mol	McGowan Method
pc	3114.04	kPa	Joback Method
ripol	1597.00		NIST Webbook
tb	544.77	K	Joback Method
tc	743.50	K	Joback Method
tf	281.50	K	Joback Method
vc	0.501	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	312.23	J/mol×K	544.77	Joback Method
cpg	325.47	J/mol×K	577.89	Joback Method
cpg	338.02	J/mol×K	611.01	Joback Method
cpg	349.91	J/mol×K	644.14	Joback Method
cpg	361.14	J/mol×K	677.26	Joback Method
cpg	371.76	J/mol×K	710.38	Joback Method
cpg	381.77	J/mol×K	743.50	Joback Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
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=R502899&Units=SI

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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume