dehydrocarveol

Inchi: InChI=1S/C10H14O/c1-7(2)9-5-4-8(3)10(11)6-9/h4-5,10-11H,1,6H2,2-3H3
InchiKey: SUSDZWDMNJCYTN-UHFFFAOYSA-N
Formula: C10H14O
SMILES: C=C(C)C1=CC=C(C)C(O)C1
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
rinpol	1593.00		NIST Webbook
rinpol	1591.00		NIST Webbook
ripol	1941.00		NIST Webbook
ripol	1949.00		NIST Webbook
ripol	1945.00		NIST Webbook
ripol	1943.00		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=R197190&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
rinpol:	Non-polar retention indices
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume