Carveol

Other names:	p-Mentha-6,8-dien-2-ol
	2-Cyclohexen-1-ol, 2-methyl-5-(1-methylethenyl)-
	p-Mentha-1,8-dien-6-ol
	1-Methyl-4-isopropenyl-6-cyclohexen-2-ol
	5-Isopropenyl-2-methyl-2-cyclohexen-1-ol
	2-Methyl-5-[1-methylethenyl]-2-cyclohexen-1-ol
	2-Methyl-5(1-methylethenyl)cyclohex-2-ene-1-ol
	p-Mentha-1(6),8-dien-2-ol
	NSC 68313
	2-Methyl-5-isopropenyl-2-cyclohexen-1-ol
Inchi:	InChI=1S/C10H16O/c1-7(2)9-5-4-8(3)10(11)6-9/h4,9-11H,1,5-6H2,2-3H3
InchiKey:	BAVONGHXFVOKBV-UHFFFAOYSA-N
Formula:	C10H16O
SMILES:	C=C(C)C1CC=C(C)C(O)C1
Mol. weight [g/mol]:	152.23
CAS:	99-48-9

Physical Properties

Property code	Value	Unit	Source
gf	12.86	kJ/mol	Joback Method
hf	-206.03	kJ/mol	Joback Method
hfus	16.89	kJ/mol	Joback Method
hvap	55.02	kJ/mol	Joback Method
log10ws	-2.74		Crippen Method
logp	2.280		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	2934.52	kPa	Joback Method
rinpol	1217.00		NIST Webbook
rinpol	1225.00		NIST Webbook
rinpol	1246.00		NIST Webbook
rinpol	1207.00		NIST Webbook
rinpol	1197.00		NIST Webbook
rinpol	1217.00		NIST Webbook
rinpol	1203.00		NIST Webbook
rinpol	1208.00		NIST Webbook
rinpol	1220.00		NIST Webbook
rinpol	1200.00		NIST Webbook

rinpol	1252.00		NIST Webbook
rinpol	1201.00		NIST Webbook
rinpol	1252.00		NIST Webbook
rinpol	1202.00		NIST Webbook
rinpol	1200.00		NIST Webbook
rinpol	1215.00		NIST Webbook
rinpol	1200.00		NIST Webbook
rinpol	1196.00		NIST Webbook
rinpol	1222.00		NIST Webbook
rinpol	1217.00		NIST Webbook
rinpol	1201.00		NIST Webbook
rinpol	1188.00		NIST Webbook
rinpol	1219.00		NIST Webbook
rinpol	1209.00		NIST Webbook
rinpol	1209.00		NIST Webbook
ripol	1804.00		NIST Webbook
ripol	1790.00		NIST Webbook
ripol	1846.00		NIST Webbook
ripol	1816.00		NIST Webbook
ripol	1845.00		NIST Webbook
tb	535.96	K	Joback Method
tc	731.65	K	Joback Method
tf	263.98	K	Joback Method
vc	0.514	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	331.99	J/mol×K	535.96	Joback Method
cpg	347.03	J/mol×K	568.58	Joback Method
cpg	361.30	J/mol×K	601.19	Joback Method
cpg	374.84	J/mol×K	633.81	Joback Method
cpg	387.67	J/mol×K	666.42	Joback Method
cpg	399.80	J/mol×K	699.04	Joback Method
cpg	411.26	J/mol×K	731.65	Joback Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	499.70	K	100.00	NIST Webbook

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=C99489&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
tbrp:	Boiling point at reduced pressure
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume