p-Mentha-1(7),8-dien-2-ol

Other names:	Cyclohexanol, 2-methylene-5-(1-methylethenyl)- 5-Isopropenyl-2-methylenecyclohexanol Isocarveol 1(7),8-p-Menthadien-2-ol
Inchi:	InChI=1S/C10H16O/c1-7(2)9-5-4-8(3)10(11)6-9/h9-11H,1,3-6H2,2H3
InchiKey:	PNVTXOFNJFHXOK-UHFFFAOYSA-N
Formula:	C10H16O
SMILES:	C=C1CCC(C(=C)C)CC1O
Mol. weight [g/mol]:	152.23
CAS:	35907-10-9

Physical Properties

Property code	Value	Unit	Source
gf	45.61	kJ/mol	Joback Method
hf	-168.10	kJ/mol	Joback Method
hfus	14.90	kJ/mol	Joback Method
hvap	54.22	kJ/mol	Joback Method
log10ws	-2.74		Crippen Method
logp	2.280		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	2928.17	kPa	Joback Method
rinpol	1186.00		NIST Webbook
rinpol	1186.00		NIST Webbook
ripol	1877.00		NIST Webbook
ripol	1797.00		NIST Webbook
tb	530.98	K	Joback Method
tc	725.43	K	Joback Method
tf	264.38	K	Joback Method
vc	0.512	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	331.07	J/mol×K	530.98	Joback Method

cpg	346.27	J/mol×K	563.39	Joback Method
cpg	360.71	J/mol×K	595.80	Joback Method
cpg	374.42	J/mol×K	628.21	Joback Method
cpg	387.41	J/mol×K	660.61	Joback Method
cpg	399.70	J/mol×K	693.02	Joback Method
cpg	411.31	J/mol×K	725.43	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=C35907109&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

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