

p-Mentha-1(7),2-dien-6-ol

Inchi:	InChI=1S/C10H16O/c1-7(2)9-5-4-8(3)10(11)6-9/h4-5,7,9-11H,3,6H2,1-2H3
InchiKey:	VKAGFXRPRUAOHV-UHFFFAOYSA-N
Formula:	C10H16O
SMILES:	C=C1C=CC(C(C)C)CC1O
Mol. weight [g/mol]:	152.23

Physical Properties

Property code	Value	Unit	Source
gf	-6.16	kJ/mol	Joback Method
hf	-231.24	kJ/mol	Joback Method
hfus	15.19	kJ/mol	Joback Method
hvap	54.72	kJ/mol	Joback Method
log10ws	-2.50		Crippen Method
logp	2.136		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	2918.68	kPa	Joback Method
ripol	1180.00		NIST Webbook
ripol	1180.00		NIST Webbook
ripol	1801.00		NIST Webbook
ripol	1801.00		NIST Webbook
tb	533.14	K	Joback Method
tc	726.14	K	Joback Method
tf	265.86	K	Joback Method
vc	0.510	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	332.43	J/molxK	533.14	Joback Method
cpg	347.27	J/molxK	565.31	Joback Method
cpg	361.39	J/molxK	597.47	Joback Method
cpg	374.81	J/molxK	629.64	Joback Method
cpg	387.52	J/molxK	661.81	Joback Method
cpg	399.57	J/molxK	693.98	Joback Method

cpg	410.94	J/molxK	726.14	Joback Method
dvisc	0.0204533	Paxs	265.86	Joback Method
dvisc	0.0049246	Paxs	310.41	Joback Method
dvisc	0.0016951	Paxs	354.95	Joback Method
dvisc	0.0007401	Paxs	399.50	Joback Method
dvisc	0.0003816	Paxs	444.05	Joback Method
dvisc	0.0002220	Paxs	488.59	Joback Method
dvisc	0.0001414	Paxs	533.14	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R512940&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Joback Method:	https://en.wikipedia.org/wiki/Joback_method

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

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