p-mentha-1,3-dien-8-ol

Inchi: InChI=1S/C10H16O/c1-8-4-6-9(7-5-8)10(2,3)11/h4,6,11H,5,7H2,1-3H3
InchiKey: KZBBYHLCBRURPA-UHFFFAOYSA-N
Formula: C10H16O
SMILES: CC1=CC=C(C(C)(C)O)CC1
Mol. weight [g/mol]: 152.23

Physical Properties

Property code	Value	Unit	Source
gf	-27.84	kJ/mol	Joback Method
hf	-243.43	kJ/mol	Joback Method
hfus	10.76	kJ/mol	Joback Method
hvap	55.88	kJ/mol	Joback Method
log10ws	-2.99		Crippen Method
logp	2.424		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	3131.49	kPa	Joback Method
rinpol	1172.00		NIST Webbook
tb	549.65	K	Joback Method
tc	752.81	K	Joback Method
tf	303.88	K	Joback Method
vc	0.509	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	333.67	J/mol×K	549.65	Joback Method
cpg	347.82	J/mol×K	583.51	Joback Method
cpg	361.11	J/mol×K	617.37	Joback Method
cpg	373.59	J/mol×K	651.23	Joback Method
cpg	385.30	J/mol×K	685.09	Joback Method
cpg	396.29	J/mol×K	718.95	Joback Method
cpg	406.59	J/mol×K	752.81	Joback Method
dvisc	0.0118833	Pa×s	303.88	Joback Method
dvisc	0.0032840	Pa×s	344.84	Joback Method

dvisc	0.0011925	Pa×s	385.80	Joback Method
dvisc	0.0005260	Pa×s	426.76	Joback Method
dvisc	0.0002678	Pa×s	467.73	Joback Method
dvisc	0.0001520	Pa×s	508.69	Joback Method
dvisc	0.0000939	Pa×s	549.65	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R219240&Units=SI
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

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