p-menth-2-en-7-ol

Other names: Menth-2-en-7-ol
Inchi: InChI=1S/C10H18O/c1-8(2)10-5-3-9(7-11)4-6-10/h3,5,8-11H,4,6-7H2,1-2H3
InchiKey: JWRJGMUBDGIGRT-UHFFFAOYSA-N
Formula: C10H18O
SMILES: CC(C)C1C=CC(CO)CC1
Mol. weight [g/mol]: 154.25

Physical Properties

Property code	Value	Unit	Source
gf	-59.24	kJ/mol	Joback Method
hf	-315.48	kJ/mol	Joback Method
hfus	16.35	kJ/mol	Joback Method
hvap	54.56	kJ/mol	Joback Method
log10ws	-2.30		Crippen Method
logp	2.217		Crippen Method
mcvol	142.470	ml/mol	McGowan Method
pc	2859.68	kPa	Joback Method
rinpol	1199.00		NIST Webbook
rinpol	1199.00		NIST Webbook
ripol	1778.00		NIST Webbook
ripol	1760.00		NIST Webbook
ripol	1743.00		NIST Webbook
tb	533.98	K	Joback Method
tc	725.42	K	Joback Method
tf	252.18	K	Joback Method
vc	0.526	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	351.36	J/mol×K	533.98	Joback Method
cpg	367.42	J/mol×K	565.89	Joback Method
cpg	382.68	J/mol×K	597.79	Joback Method
cpg	397.16	J/mol×K	629.70	Joback Method

cpg	410.88	J/mol×K	661.61	Joback Method
cpg	423.86	J/mol×K	693.52	Joback Method
cpg	436.13	J/mol×K	725.42	Joback Method
dvisc	0.0448779	Pa×s	252.18	Joback Method
dvisc	0.0078994	Pa×s	299.15	Joback Method
dvisc	0.0022279	Pa×s	346.11	Joback Method
dvisc	0.0008503	Pa×s	393.08	Joback Method
dvisc	0.0003986	Pa×s	440.05	Joback Method
dvisc	0.0002163	Pa×s	487.01	Joback Method
dvisc	0.0001307	Pa×s	533.98	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=R219235&Units=SI

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
ripol: Polar retention indices
tb: Normal Boiling Point Temperature
tc: Critical Temperature
tf: Normal melting (fusion) point
vc: Critical Volume