p-Mentha-3-en-8-ol

Inchi: InChI=1S/C11H20O/c1-9-4-6-10(7-5-9)11(2,3)8-12/h6,9,12H,4-5,7-8H2,1-3H3
InchiKey: GRWJGTVTFCENHD-UHFFFAOYSA-N
Formula: C11H20O
SMILES: CC1CC=C(C(C)(C)CO)CC1
Mol. weight [g/mol]: 168.28

Physical Properties

Property code	Value	Unit	Source
gf	-47.46	kJ/mol	Joback Method
hf	-330.72	kJ/mol	Joback Method
hfus	13.59	kJ/mol	Joback Method
hvap	56.85	kJ/mol	Joback Method
log10ws	-2.96		Crippen Method
logp	2.751		Crippen Method
mcvol	156.560	ml/mol	McGowan Method
pc	2665.27	kPa	Joback Method
rinpol	1149.00		NIST Webbook
tb	563.72	K	Joback Method
tc	761.02	K	Joback Method
tf	297.63	K	Joback Method
vc	0.579	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	402.09	J/mol×K	563.72	Joback Method
cpg	418.69	J/mol×K	596.60	Joback Method
cpg	434.34	J/mol×K	629.49	Joback Method
cpg	449.08	J/mol×K	662.37	Joback Method
cpg	462.96	J/mol×K	695.25	Joback Method
cpg	476.02	J/mol×K	728.14	Joback Method
cpg	488.29	J/mol×K	761.02	Joback Method
dvisc	0.0168577	Pa×s	297.63	Joback Method
dvisc	0.0040314	Pa×s	341.98	Joback Method

dvisc	0.0013389	Pa×s	386.33	Joback Method
dvisc	0.0005580	Pa×s	430.68	Joback Method
dvisc	0.0002739	Pa×s	475.02	Joback Method
dvisc	0.0001518	Pa×s	519.37	Joback Method
dvisc	0.0000923	Pa×s	563.72	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R286463&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
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772

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