

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
rinqol	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	m ³ /kmol	Joback Method

Temperature Dependent Properties

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

dvisc	0.0013389	Paxs	386.33	Joback Method
dvisc	0.0005580	Paxs	430.68	Joback Method
dvisc	0.0002739	Paxs	475.02	Joback Method
dvisc	0.0001518	Paxs	519.37	Joback Method
dvisc	0.0000923	Paxs	563.72	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R286463&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
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume

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