p-1,8-Menthadien-4-ol

Inchi: InChI=1S/C10H16O/c1-8(2)10(11)6-4-9(3)5-7-10/h4,11H,1,5-7H2,2-3H3
InchiKey: OVKDFILSBMEKLT-UHFFFAOYSA-N
Formula: C10H16O
SMILES: C=C(C)C1(O)CC=C(C)CC1
Mol. weight [g/mol]: 152.23

Physical Properties

Property code	Value	Unit	Source
gf	15.08	kJ/mol	Joback Method
hf	-170.45	kJ/mol	Joback Method
hfus	9.52	kJ/mol	Joback Method
hvap	54.17	kJ/mol	Joback Method
log10ws	-2.99		Crippen Method
logp	2.424		Crippen Method
mcvol	138.170	ml/mol	McGowan Method
pc	3199.16	kPa	Joback Method
rinpol	1174.00		NIST Webbook
ripol	1681.00		NIST Webbook
ripol	1681.00		NIST Webbook
tb	540.87	K	Joback Method
tc	744.48	K	Joback Method
tf	292.12	K	Joback Method
vc	0.513	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	330.19	J/mol×K	540.87	Joback Method
cpg	344.57	J/mol×K	574.81	Joback Method
cpg	358.09	J/mol×K	608.74	Joback Method
cpg	370.82	J/mol×K	642.68	Joback Method
cpg	382.89	J/mol×K	676.61	Joback Method
cpg	394.38	J/mol×K	710.55	Joback Method
cpg	405.39	J/mol×K	744.48	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R545816&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
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