p-menth-1-en-3-[2-methyl-1,3-butadienyl]-8-ol

Inchi: InChI=1S/C15H24O/c1-6-11(2)9-13-10-12(3)7-8-14(13)15(4,5)16/h6,9-10,13-14,16H,1,7-
InchiKey: DVYSNYGZMYYMJK-PKNBQFBNSA-N
Formula: C15H24O
SMILES: C=CC(C)=CC1C=C(C)CCC1C(C)(C)O
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	138.02	kJ/mol	Joback Method
hf	-200.76	kJ/mol	Joback Method
hfus	22.63	kJ/mol	Joback Method
hvap	64.81	kJ/mol	Joback Method
log10ws	-4.45		Crippen Method
logp	3.862		Crippen Method
mcvol	204.320	ml/mol	McGowan Method
pc	1966.56	kPa	Joback Method
ripol	2110.00		NIST Webbook
ripol	2110.00		NIST Webbook
ripol	2150.00		NIST Webbook
tb	651.29	K	Joback Method
tc	852.37	K	Joback Method
tf	317.67	K	Joback Method
vc	0.763	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	568.55	J/mol×K	651.29	Joback Method
cpg	586.54	J/mol×K	684.80	Joback Method
cpg	603.45	J/mol×K	718.32	Joback Method
cpg	619.34	J/mol×K	751.83	Joback Method
cpg	634.27	J/mol×K	785.35	Joback Method
cpg	648.31	J/mol×K	818.86	Joback Method
cpg	661.51	J/mol×K	852.37	Joback Method

Sources

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=R432156&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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