Cadina-4,1(10)-dien-7«beta»-ol

Inchi: InChI=1S/C15H24O/c1-10(2)15(16)8-7-12(4)13-6-5-11(3)9-14(13)15/h9-10,14,16H,5-8H2
InchiKey: QQRRTCZOIIMRRM-LOACHALJSA-N
Formula: C15H24O
SMILES: CC1=CC2C(=C(C)CCC2(O)C(C)C)CC1
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	34.80	kJ/mol	Joback Method
hf	-293.09	kJ/mol	Joback Method
hfus	18.02	kJ/mol	Joback Method
hvap	67.21	kJ/mol	Joback Method
log10ws	-4.49		Crippen Method
logp	3.840		Crippen Method
mcvol	197.760	ml/mol	McGowan Method
pc	2212.45	kPa	Joback Method
rinpol	1663.00		NIST Webbook
rinpol	1663.00		NIST Webbook
tb	678.40	K	Joback Method
tc	887.06	K	Joback Method
tf	389.41	K	Joback Method
vc	0.741	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	570.40	J/mol×K	678.40	Joback Method
cpg	588.20	J/mol×K	713.18	Joback Method
cpg	605.16	J/mol×K	747.95	Joback Method
cpg	621.42	J/mol×K	782.73	Joback Method
cpg	637.10	J/mol×K	817.50	Joback Method
cpg	652.30	J/mol×K	852.28	Joback Method
cpg	667.17	J/mol×K	887.06	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R407284&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
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