Aromadendr-1(10)-en-4-ol

Inchi: InChI=1S/C15H24O/c1-9-7-12-13(14(12,2)3)8-11-10(9)5-6-15(11,4)16/h11-13,16H,5-8H2
InchiKey: CJMYORXIDUBKFI-BVGYFEFNSA-N
Formula: C15H24O
SMILES: CC1=C2CCC(C)(O)C2CC2C(C1)C2(C)C
Mol. weight [g/mol]: 220.35

Physical Properties

Property code	Value	Unit	Source
gf	80.95	kJ/mol	Joback Method
hf	-274.44	kJ/mol	Joback Method
hfus	18.89	kJ/mol	Joback Method
hvap	64.44	kJ/mol	Joback Method
log10ws	-4.05		Crippen Method
logp	3.530		Crippen Method
mcvol	191.200	ml/mol	McGowan Method
pc	2276.24	kPa	Joback Method
rinpol	1639.00		NIST Webbook
rinpol	1639.00		NIST Webbook
tb	663.80	K	Joback Method
tc	873.45	K	Joback Method
tf	431.53	K	Joback Method
vc	0.730	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	574.27	J/mol×K	663.80	Joback Method
cpg	592.57	J/mol×K	698.74	Joback Method
cpg	610.15	J/mol×K	733.68	Joback Method
cpg	627.25	J/mol×K	768.63	Joback Method
cpg	644.10	J/mol×K	803.57	Joback Method
cpg	660.94	J/mol×K	838.51	Joback Method
cpg	677.99	J/mol×K	873.45	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R589554&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