Tenuifolene

Inchi: InChI=1S/C15H22/c1-12-6-8-14(9-7-12)15(3)10-4-5-13(2)11-15/h5-6,9H,4,7-8,10-11H2,1
InchiKey: FMWXCMYXQCUXMT-UHFFFAOYSA-N
Formula: C15H22
SMILES: CC1=CCC(C2(C)CCC=C(C)C2)=CC1
Mol. weight [g/mol]: 202.34

Physical Properties

Property code	Value	Unit	Source
gf	187.53	kJ/mol	Joback Method
hf	-69.78	kJ/mol	Joback Method
hfus	13.41	kJ/mol	Joback Method
hvap	51.86	kJ/mol	Joback Method
log10ws	-5.21		Crippen Method
logp	4.789		Crippen Method
mcvol	187.590	ml/mol	McGowan Method
pc	2252.53	kPa	Joback Method
rinpol	1570.00		NIST Webbook
rinpol	1570.00		NIST Webbook
tb	599.03	K	Joback Method
tc	837.38	K	Joback Method
tf	341.55	K	Joback Method
vc	0.699	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	483.05	J/mol×K	599.03	Joback Method
cpg	504.91	J/mol×K	638.75	Joback Method
cpg	525.38	J/mol×K	678.48	Joback Method
cpg	544.63	J/mol×K	718.20	Joback Method
cpg	562.83	J/mol×K	757.93	Joback Method
cpg	580.16	J/mol×K	797.65	Joback Method
cpg	596.77	J/mol×K	837.38	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R407244&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume