(-)-1,7-dimethyl-7-(4-methyl-1,3-pentenyl)-tricyclo[

Inchi: InChI=1S/C15H22/c1-10(2)6-5-7-14(3)11-8-12-13(9-11)15(12,14)4/h5-7,11-13H,8-9H2,1-
InchiKey: FVKBUVUSIBFUBB-FNORWQNLSA-N
Formula: C15H22
SMILES: CC(C)=CC=CC1(C)C2CC3C(C2)C31C
Mol. weight [g/mol]: 202.34

Physical Properties

Property code	Value	Unit	Source
gf	407.36	kJ/mol	Joback Method
hf	92.24	kJ/mol	Joback Method
hfus	21.85	kJ/mol	Joback Method
hvap	45.45	kJ/mol	Joback Method
log10ws	-4.28		Crippen Method
logp	4.191		Crippen Method
mcvol	181.030	ml/mol	McGowan Method
pc	2094.58	kPa	Joback Method
ripol	1535.00		NIST Webbook
tb	553.62	K	Joback Method
tc	768.63	K	Joback Method
tf	334.87	K	Joback Method
vc	0.718	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	479.59	J/mol×K	553.62	Joback Method
cpg	499.59	J/mol×K	589.45	Joback Method
cpg	517.99	J/mol×K	625.29	Joback Method
cpg	535.14	J/mol×K	661.12	Joback Method
cpg	551.34	J/mol×K	696.96	Joback Method
cpg	566.93	J/mol×K	732.79	Joback Method
cpg	582.21	J/mol×K	768.63	Joback Method

Sources

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
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R330095&Units=SI

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

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