2-methyl-4-(2-methylene-6,6-dimethylcyclohexyl)-

Inchi: InChI=1S/C14H22O/c1-11(10-15)7-8-13-12(2)6-5-9-14(13,3)4/h7,10,13H,2,5-6,8-9H2,1,3
InchiKey: WVKXAHIZLFMAGH-YRNVUSSQSA-N
Formula: C14H22O
SMILES: C=C1CCCC(C)(C)C1CC=C(C)C=O
Mol. weight [g/mol]: 206.32

Physical Properties

Property code	Value	Unit	Source
gf	103.48	kJ/mol	Joback Method
hf	-176.98	kJ/mol	Joback Method
hfus	18.65	kJ/mol	Joback Method
hvap	52.64	kJ/mol	Joback Method
log10ws	-4.08		Crippen Method
logp	3.904		Crippen Method
mcvol	190.230	ml/mol	McGowan Method
pc	2075.54	kPa	Joback Method
ripol	2024.00		NIST Webbook
ripol	2024.00		NIST Webbook
tb	586.70	K	Joback Method
tc	798.72	K	Joback Method
tf	311.22	K	Joback Method
vc	0.732	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	487.94	J/mol×K	586.70	Joback Method
cpg	507.16	J/mol×K	622.04	Joback Method
cpg	525.30	J/mol×K	657.37	Joback Method
cpg	542.46	J/mol×K	692.71	Joback Method
cpg	558.77	J/mol×K	728.05	Joback Method
cpg	574.34	J/mol×K	763.38	Joback Method
cpg	589.30	J/mol×K	798.72	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=R344108&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