2-hydroxy-3,5,5-trimethyl-4-methylenecyclohex-2-

Inchi: InChI=1S/C10H14O2/c1-6-7(2)10(3,4)5-8(11)9(6)12/h12H,2,5H2,1,3-4H3
InchiKey: LTFSHRILVMNKDN-UHFFFAOYSA-N
Formula: C10H14O2
SMILES: C=C1C(C)=C(O)C(=O)CC1(C)C
Mol. weight [g/mol]: 166.22

Physical Properties

Property code	Value	Unit	Source
gf	-143.35	kJ/mol	Joback Method
hf	-351.02	kJ/mol	Joback Method
hfus	10.08	kJ/mol	Joback Method
hvap	59.83	kJ/mol	Joback Method
log10ws	-2.47		Crippen Method
logp	2.374		Crippen Method
mcvol	139.740	ml/mol	McGowan Method
pc	3170.40	kPa	Joback Method
tb	616.27	K	Joback Method
tc	828.00	K	Joback Method
tf	402.26	K	Joback Method
vc	0.522	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	355.49	J/mol×K	616.27	Joback Method
cpg	368.34	J/mol×K	651.56	Joback Method
cpg	380.64	J/mol×K	686.85	Joback Method
cpg	392.47	J/mol×K	722.14	Joback Method
cpg	403.89	J/mol×K	757.43	Joback Method
cpg	414.95	J/mol×K	792.72	Joback Method
cpg	425.73	J/mol×K	828.00	Joback Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R407011&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
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume