(6R)-5,6-Dihydro-3,6-dimethyl-benzo-[b]-furan-2(4

Inchi: InChI=1S/C10H12O2/c1-6-3-4-8-7(2)10(11)12-9(8)5-6/h5-6H,3-4H2,1-2H3/t6-/m0/s1
InchiKey: ZRTWVYJNKXXDDT-LURJTMIESA-N
Formula: C10H12O2
SMILES: CC1=C2CCC(C)C=C2OC1=O
Mol. weight [g/mol]: 164.20

Physical Properties

Property code	Value	Unit	Source
gf	-51.45	kJ/mol	Joback Method
hf	-290.82	kJ/mol	Joback Method
hfus	19.32	kJ/mol	Joback Method
hvap	49.83	kJ/mol	Joback Method
log10ws	-2.62		Crippen Method
logp	2.173		Crippen Method
mcvol	128.880	ml/mol	McGowan Method
pc	3239.34	kPa	Joback Method
ripol	2323.00		NIST Webbook
ripol	2323.00		NIST Webbook
tb	567.19	K	Joback Method
tc	803.33	K	Joback Method
tf	365.89	K	Joback Method
vc	0.486	m3/kmol	Joback Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
cpg	317.34	J/mol×K	567.19	Joback Method
cpg	332.68	J/mol×K	606.55	Joback Method
cpg	347.13	J/mol×K	645.90	Joback Method
cpg	360.70	J/mol×K	685.26	Joback Method
cpg	373.43	J/mol×K	724.62	Joback Method
cpg	385.32	J/mol×K	763.97	Joback Method
cpg	396.39	J/mol×K	803.33	Joback Method

Sources

McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=R326259&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
ripol:	Polar retention indices
tb:	Normal Boiling Point Temperature
tc:	Critical Temperature
tf:	Normal melting (fusion) point
vc:	Critical Volume