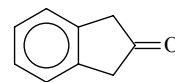
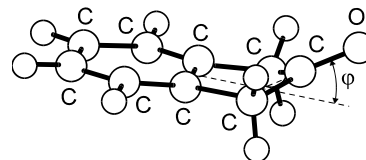


869
MW $\text{C}_9\text{H}_8\text{O}$ **2-Indanone**
1,3-Dihydro-2*H*-inden-2-one C_{2v} 

From the ground state inertial defect and the variation in the rotational parameters with the ring bending quantum number, a strictly planar C_{2v} equilibrium conformation has been established. A one-dimensional potential function of the quadratic-quartic type $V(X) = 3.3(7)(X^4 + 11.66(15)X^2) \text{ cm}^{-1}$ has been derived for the bending vibration, where X represents a reduced bending coordinate.

 φ denotes the bending coordinate.

Blanco, S., López, J.C., Gómez, A.B., Alonso, J.L.: Mol. Phys. **97** (1999) 853.