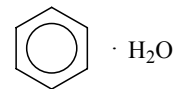


735 MW	C₆H₈O	Benzene – water (1/1) (weakly bound complex)	C_{6v} (effective symmetry class) (large-amplitude motion)
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Stark effect measurements and molecular mechanics calculations indicate barriers of 300–600 cm⁻¹ to internal rotation of the water about any of its inertial axes and nearly free rotation about an axis parallel to the benzene *C*₆ axis.

Emilsson, T., Gutowsky, H.S., de Oliveira, G., Dykstra, C.E.: J. Chem. Phys. **112** (2000) 1287.
[II/25D \(3, 2285\)](#)