

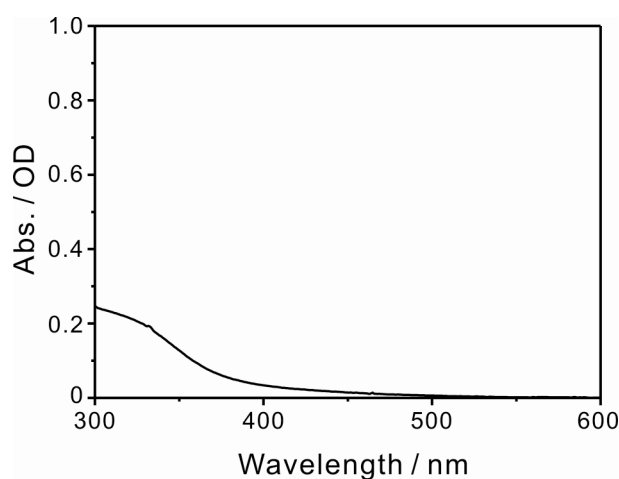
## **Electronic Supplementary Information**

### **Excited-state proton-relay dynamics of 7-hydroxyquinoline controlled by solvent reorganization in room temperature ionic liquids**

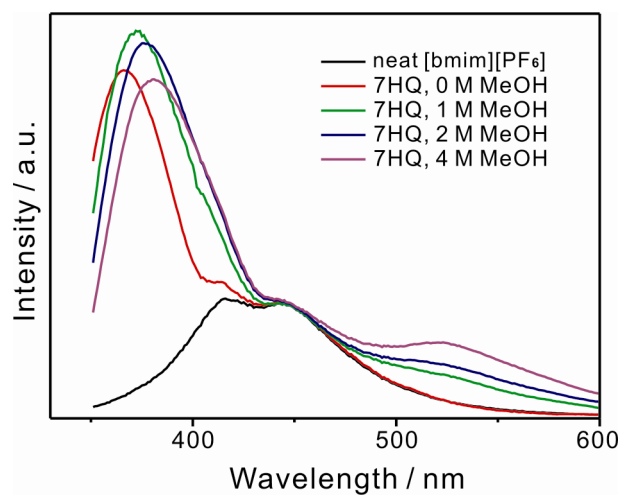
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**Fig. S1** Absorption spectrum of neat [bmim][PF<sub>6</sub>].



**Fig. S2** Emission spectra, with excitation at 320 nm, of neat [bmim][PF<sub>6</sub>] and 0.1 mM 7HQ in [bmim][PF<sub>6</sub>] having methanol concentrations indicated inside.