

Excited State Proton Transfer in the Cinchona Alkaloid Cupreidine

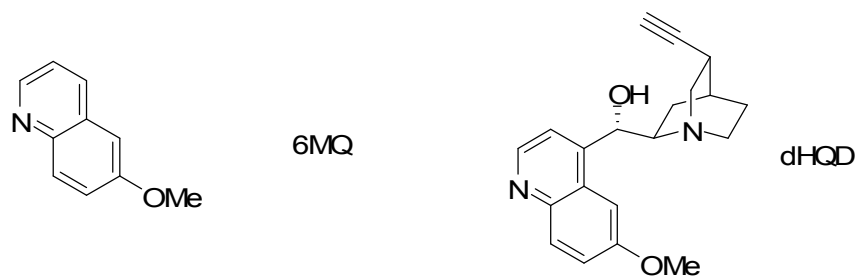
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Scheme S1 chemical structures of **6MQ** and **dHQD**

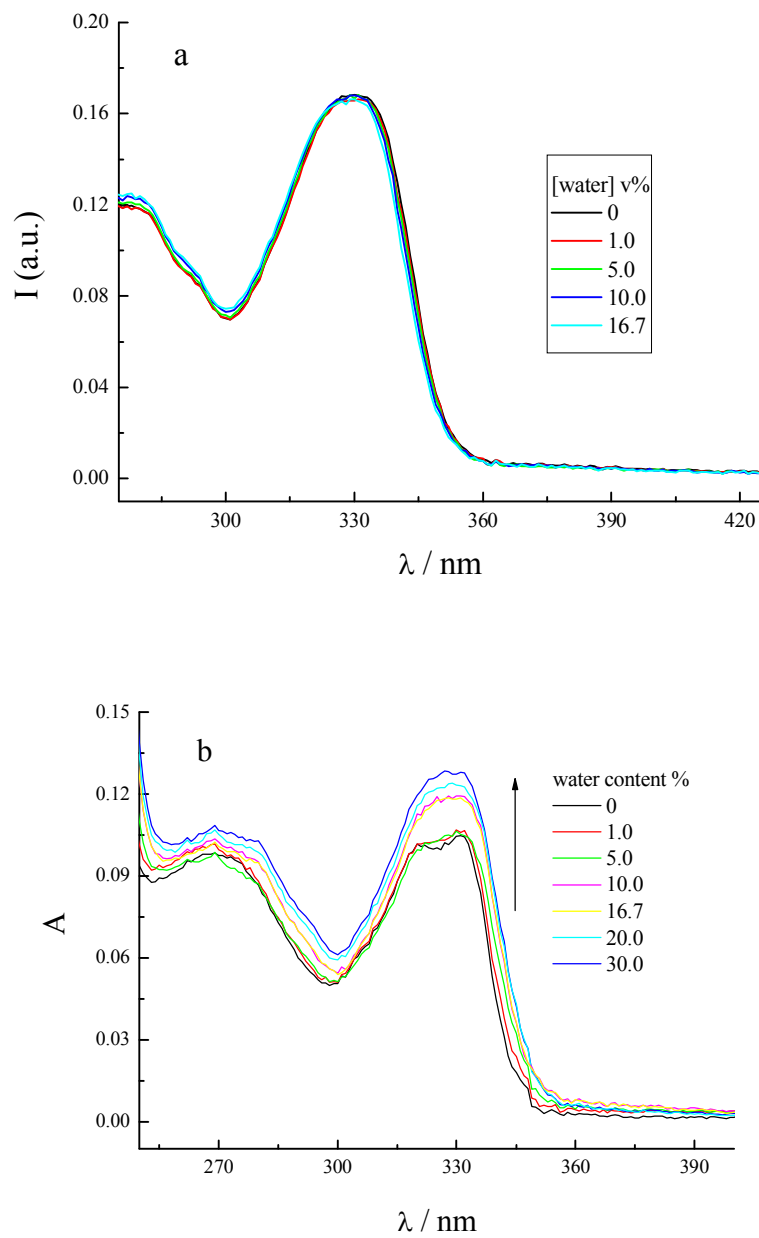


Figure S1 water effect on the absorption spectra of **6HQ** in MeOH (a) and MeCN (b).

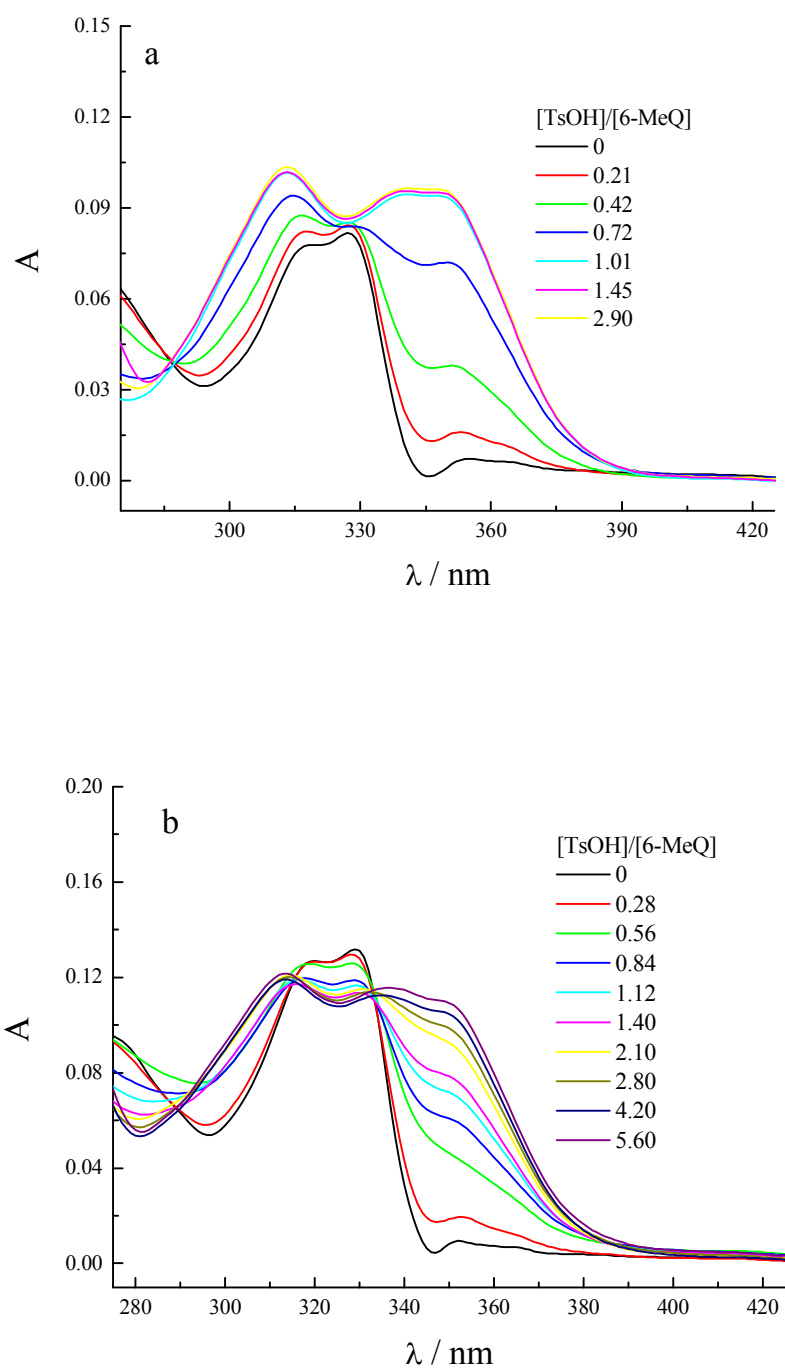


Figure S2 proton effect on the absorption spectra of **6MQ** in MeCN (a) and MeOH (b).

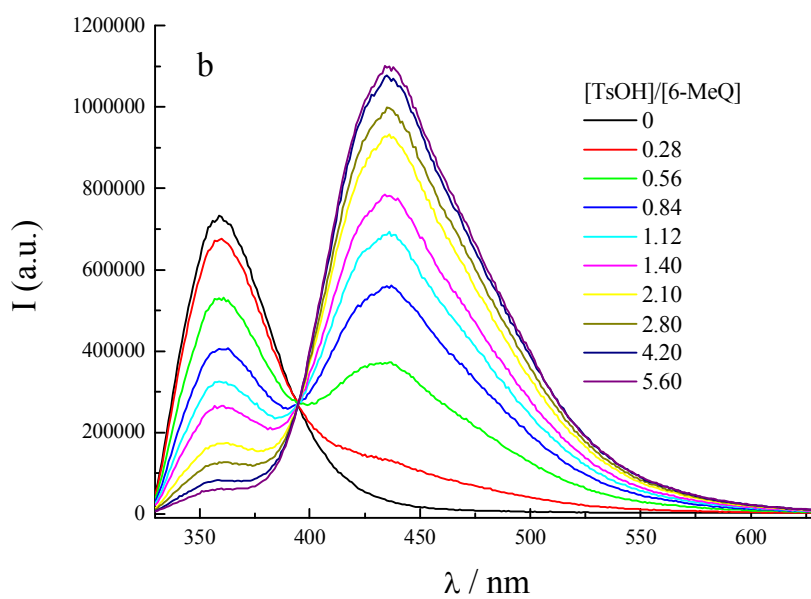
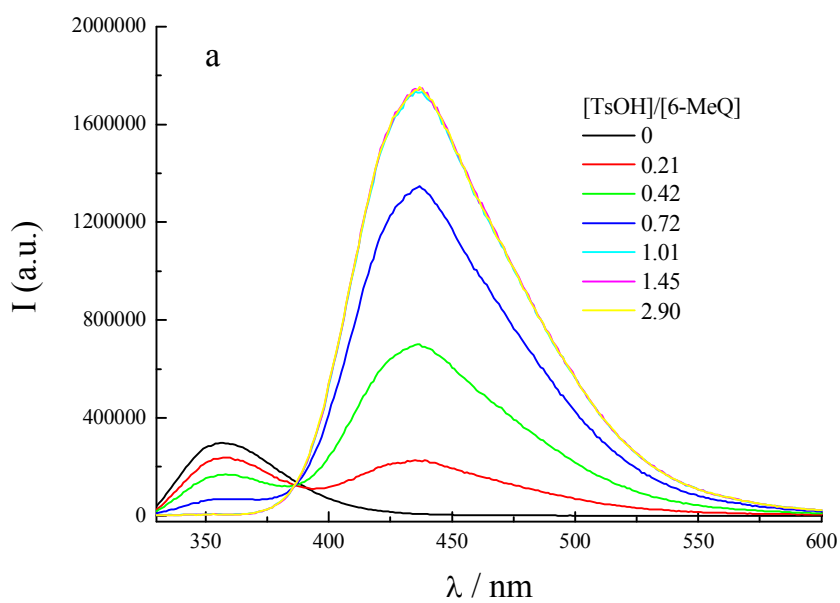


Figure S3 proton effect on the emission spectra of **6MQ** in MeCN (a) and MeOH (b) (excited at 320 nm)

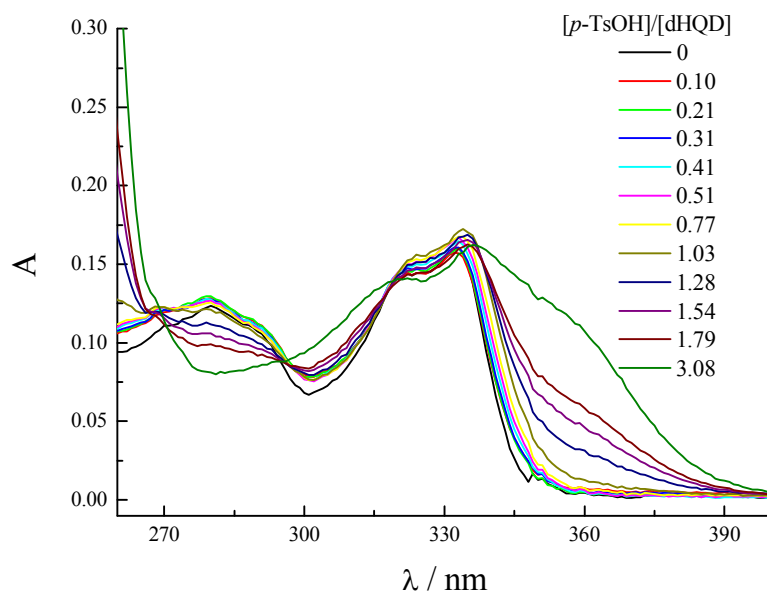


Figure S4 proton effect on the absorption spectra of **dHQD** in MeOH.

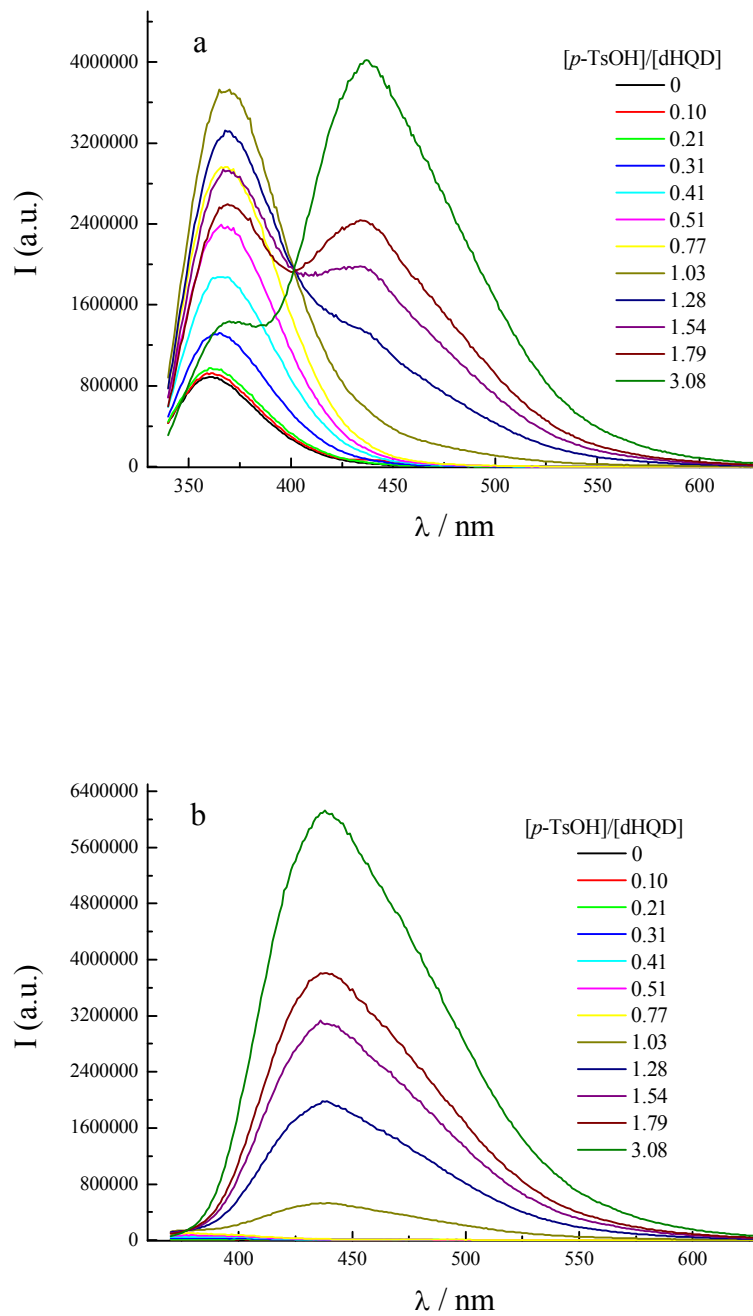


Figure S5 proton effect on the emission spectra of **dHQD** in MeOH (excited at a, 320 nm and b, 360 nm)

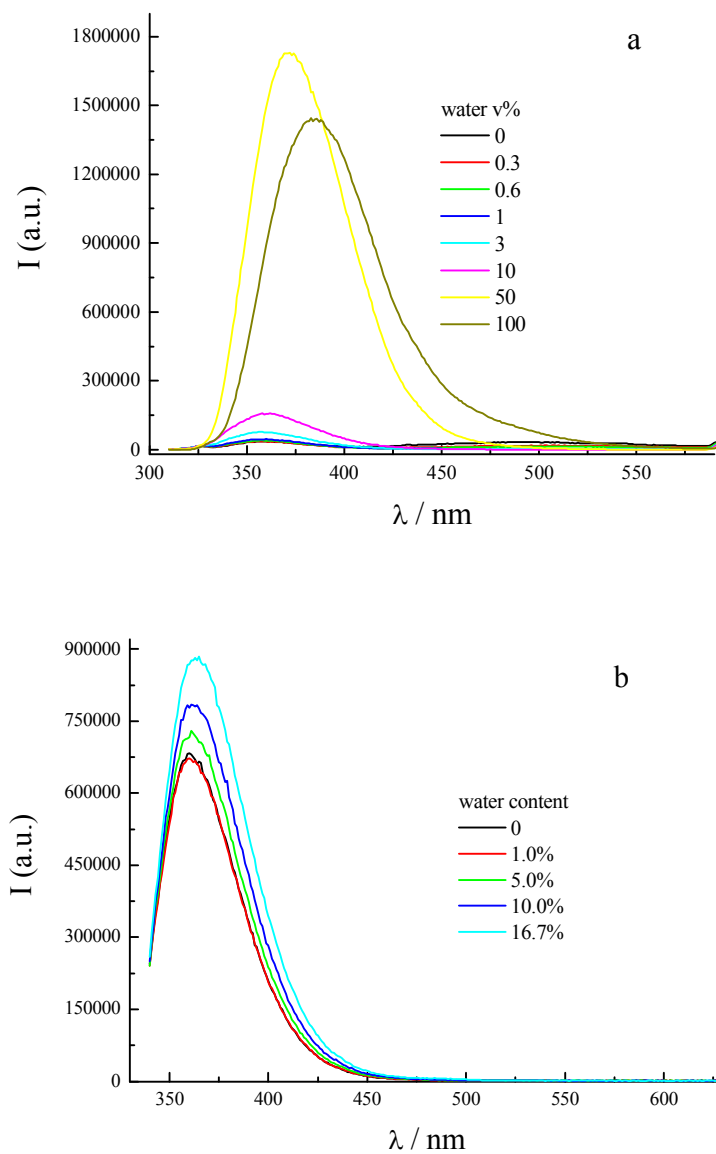


Figure S6 water effect on the emission spectra of **dHQD** in MeCN (a) and MeOH (b) (excited at 320 nm).

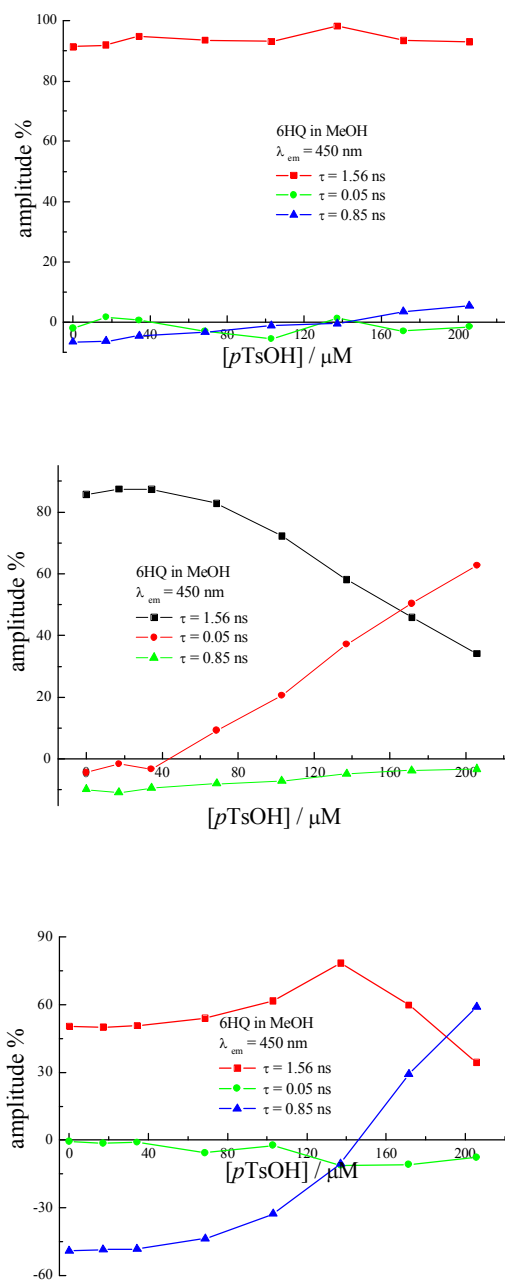


Figure S7 The amplitudes α of the emission decays of **6HQ** (105 μM) in MeOH in the presence of *pTsOH* at room temperature (λ_{ex} = 323.5 nm).

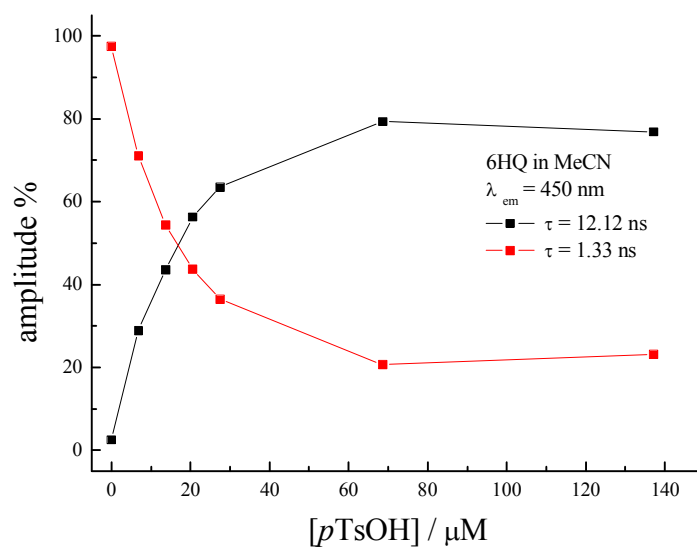


Figure S8 The amplitudes α of the emission decays of **6HQ** (105 μM) in MeCN in the presence of *pTsOH* at room temperature ($\lambda_{ex} = 323.5 \text{ nm}$).