

辅助材料(Supporting Information)

系列红色染料的合成、光学性质及在蛋白标记中的应用

李慧芳 冷鑫 闫立润 杨秉勤* 白银娟*

(西北大学化学与材料科学学院 合成与天然功能分子化学教育部重点实验室 西安 710127)

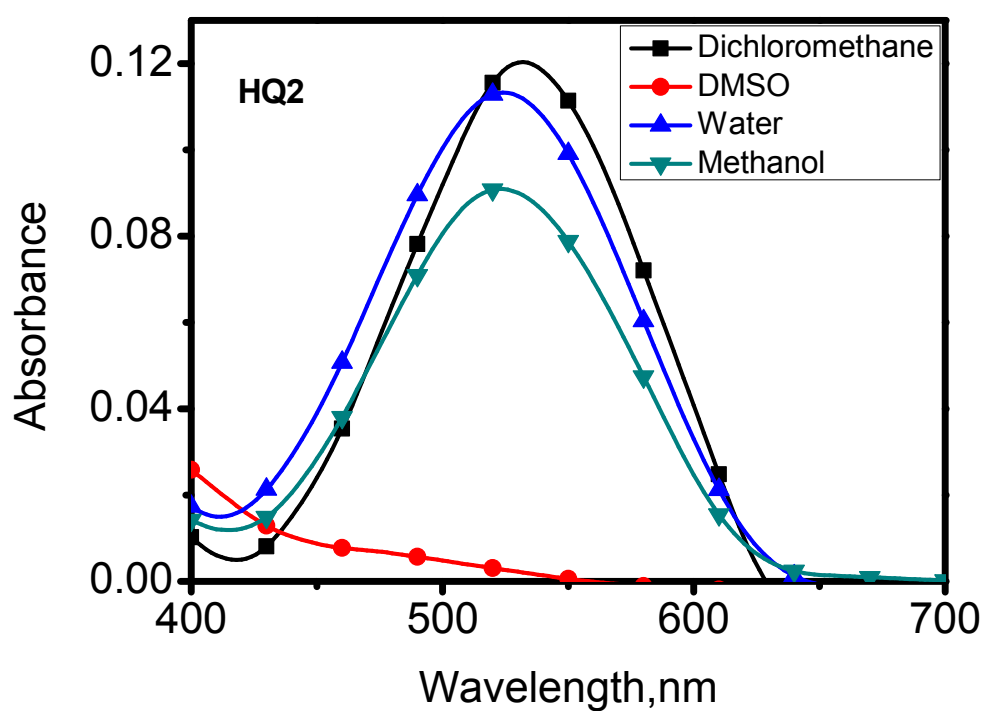


图 S1 HQ2 在各种溶剂中的吸收光谱

Figur S1 Absorption spectra of compounds HQ2 in different solvents

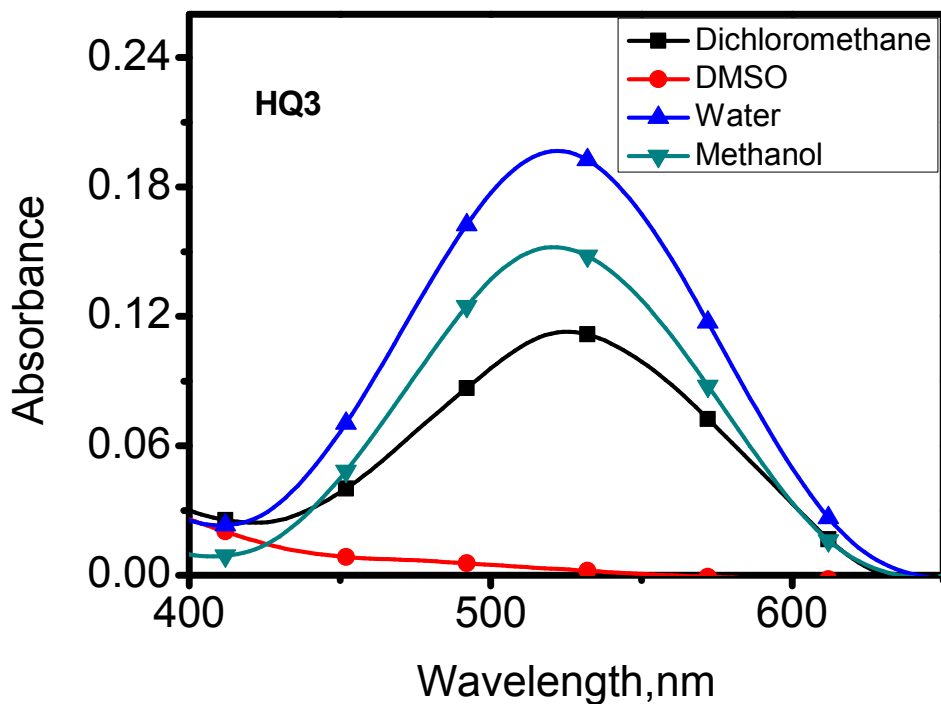


图 S2 HQ3 在各种溶剂中的吸收光谱

Figure S2 Absorption spectra of HQ3 in different solvents

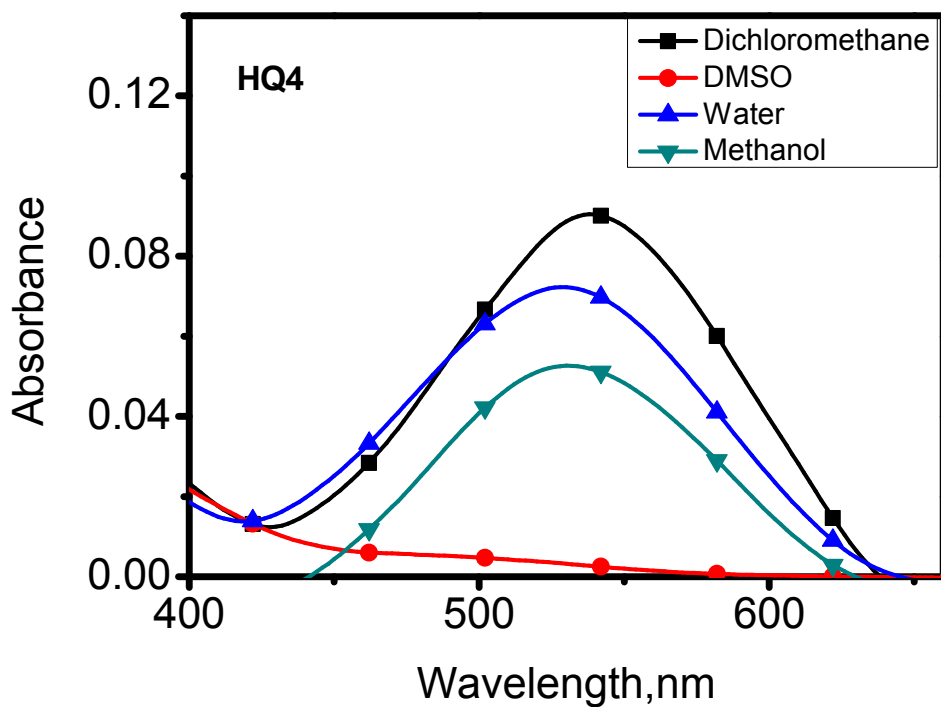


图 S3 HQ4 在各种溶剂中的吸收光谱

Figure S3 Absorption spectra of HQ4 in different solvents

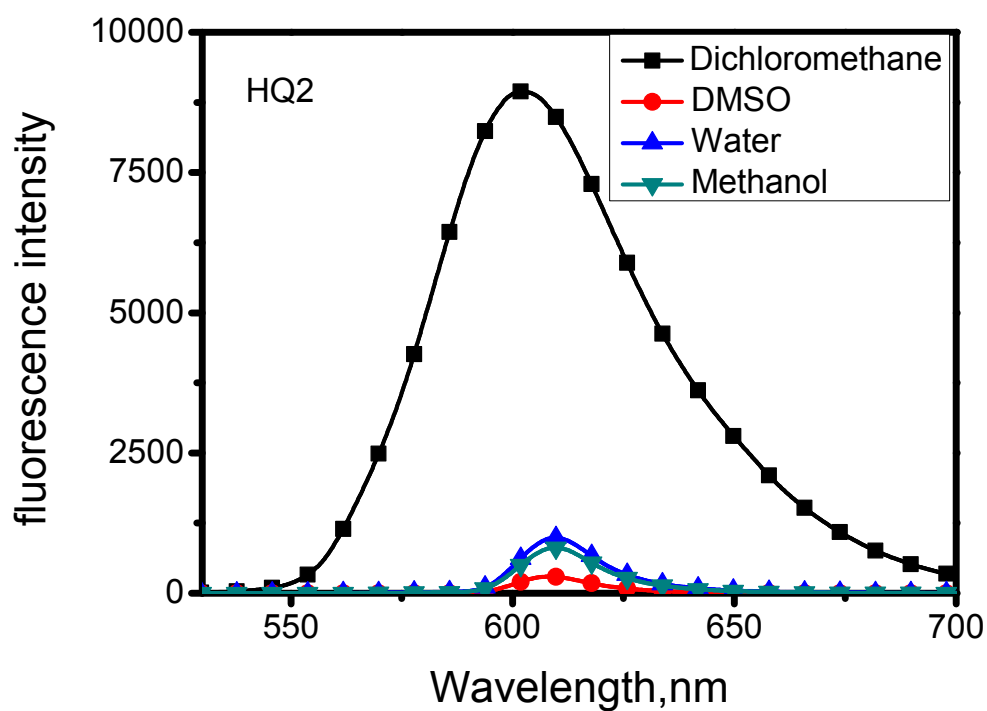


图 S4 HQ2 在各种溶剂中的发射光谱(激发波长: 535 nm).

Figure S4 Emission spectra of HQ2 in different solvents(λ_{ex} : 535 nm).

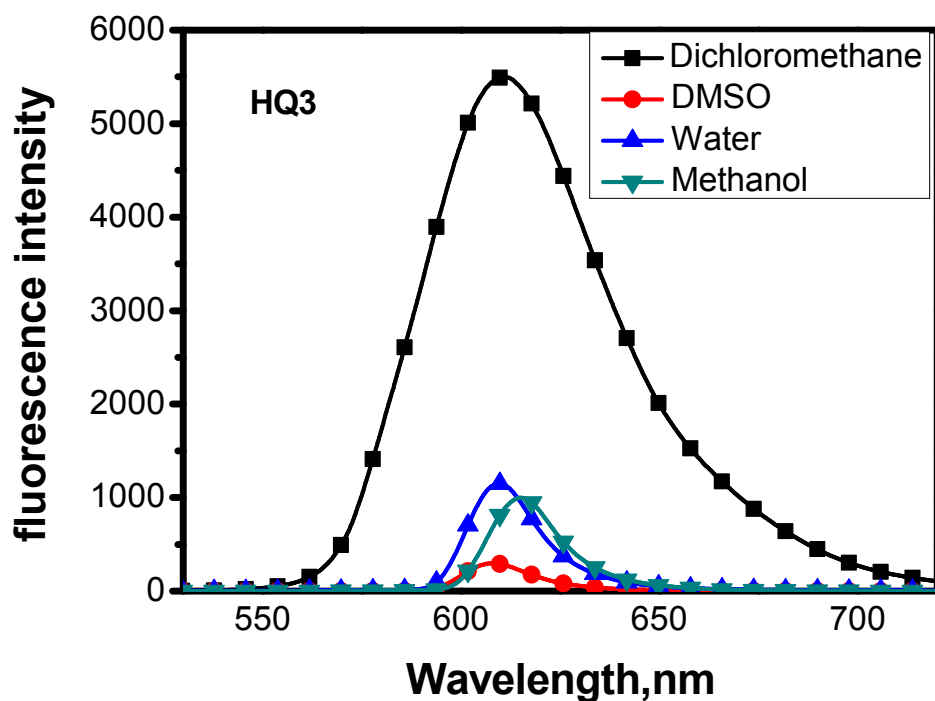


图 S5 HQ3 在各种溶剂中的发射光谱(激发波长: 530 nm).

Figure S5 Emission spectra of HQ3 in different solvents(λ_{ex} : 530 nm).

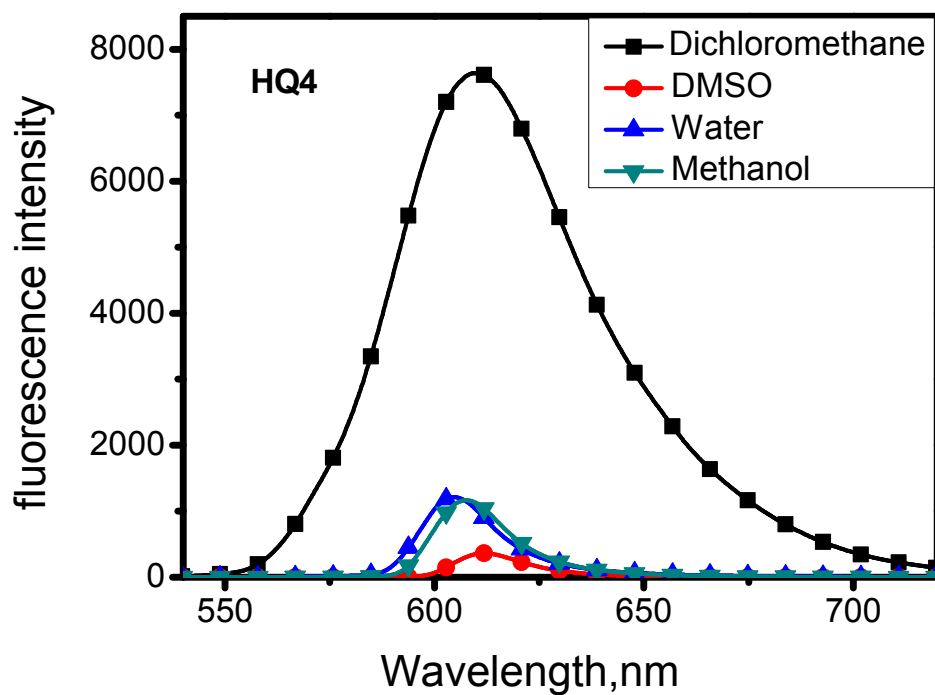
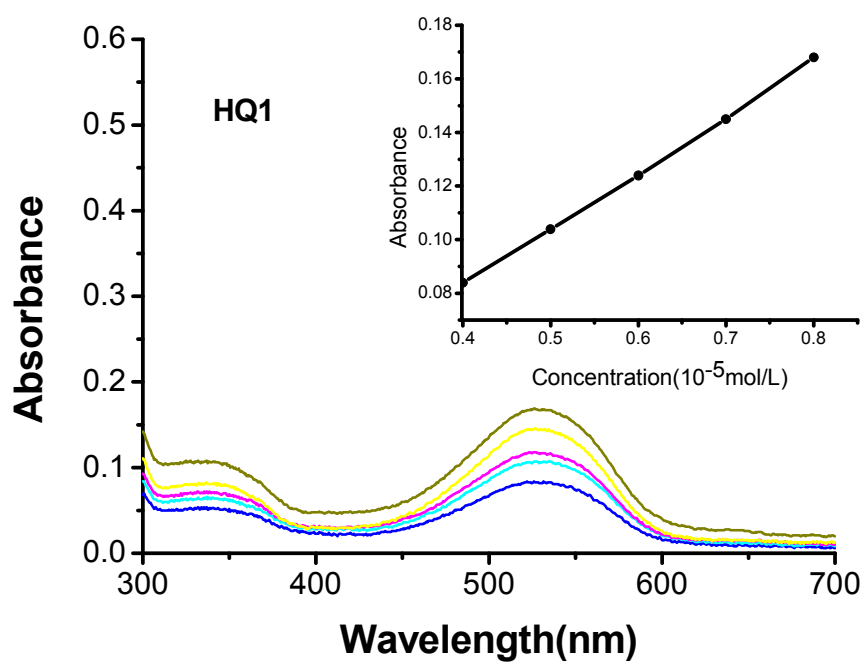
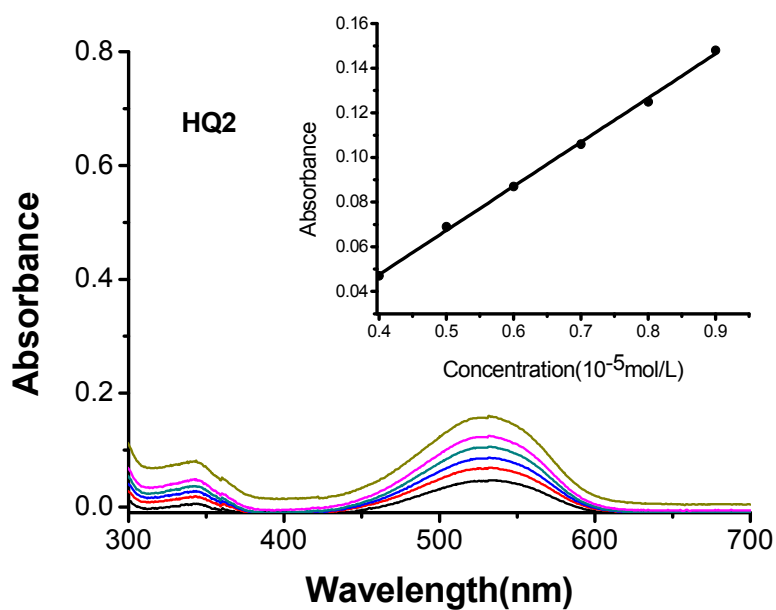


图 S6 HQ4 在各种溶剂中的发射光谱(激发波长: 535 nm).
 Figur S6 Emission spectra of HQ4 in different solvents(λ_{ex} : 535 nm)



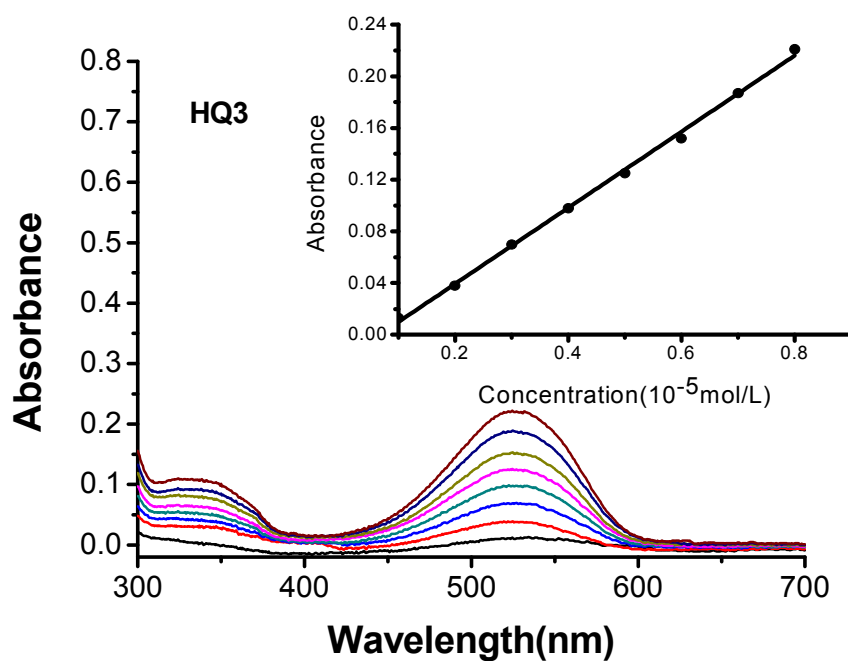
图S7 HQ1在PBS溶液中不同浓度的吸收光谱

Figur S7 The different concentrations of absorption spectra of **HQ1** in PBS solution



图S8 HQ1在PBS溶液中不同浓度的吸收光谱

Figur S8 The different concentrations of absorption spectra of **HQ2** in PBS solution



图S9 HQ1在PBS溶液中不同浓度的吸收光谱

Figur S9 The different concentrations of absorption spectra of **HQ3** in PBS solution

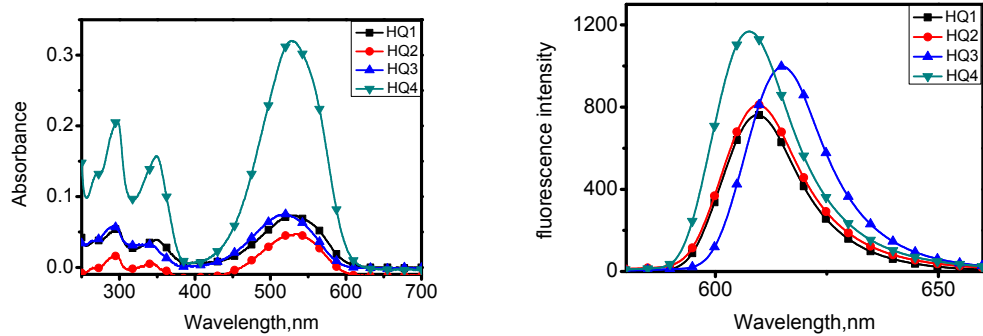


图 S10 游离染料在 PBS 中的吸收光谱和发射光谱(激发波长: 535 nm).

Figur S10 Absorption and emission spectra of free dye in PBS(λ_{ex} : 535 nm)