

Supporting Information

A Novel Method for Cetylpyridinium Bromide Determination in Aqueous Solution Based on Fluorescence Quenching of Dye

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1. Fluorescence behavior of CXT vs. pH
2. Fluorescence decay profile of CXT
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1. Fluorescence behavior of CXT vs. pH

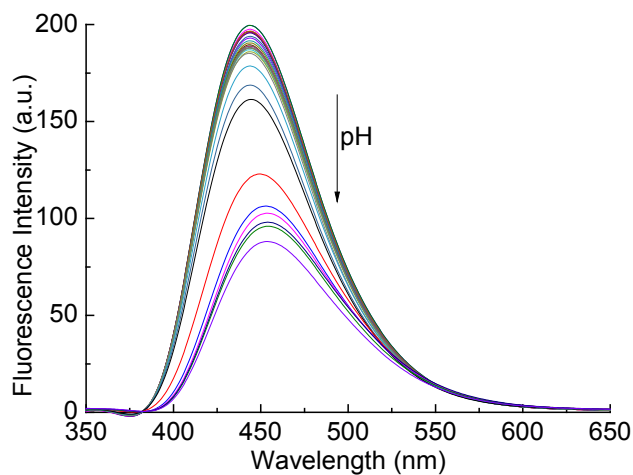


Fig. S11 Fluorescence spectra of the CXT (5.0 μM) in aqueous solution of Brij 35 (1.2 mM) at different pH values.

2. Fluorescence decay profile of CXT

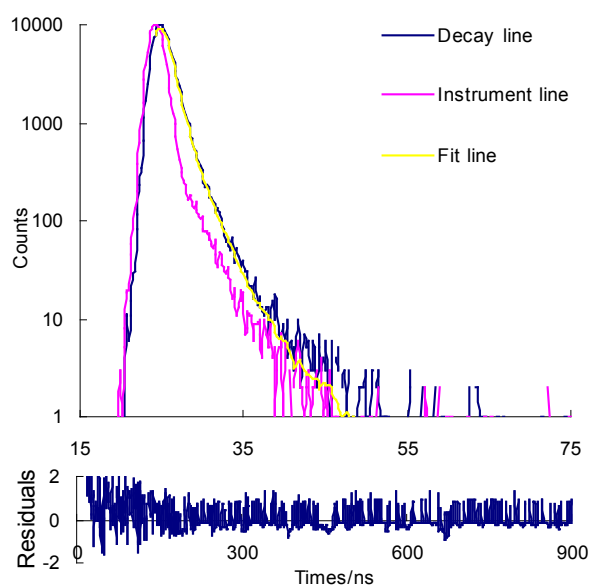


Fig. S12 Fluorescence decay profile of CXT (5.0 μM) in aqueous solution of Brij 35 (1.2 mM) at pH 8.0. $\lambda_{em} = 444$ nm, EX/EM slit = 13.0 / 13.0 nm.

3. Fluorescence decay profile of CXT/CPB

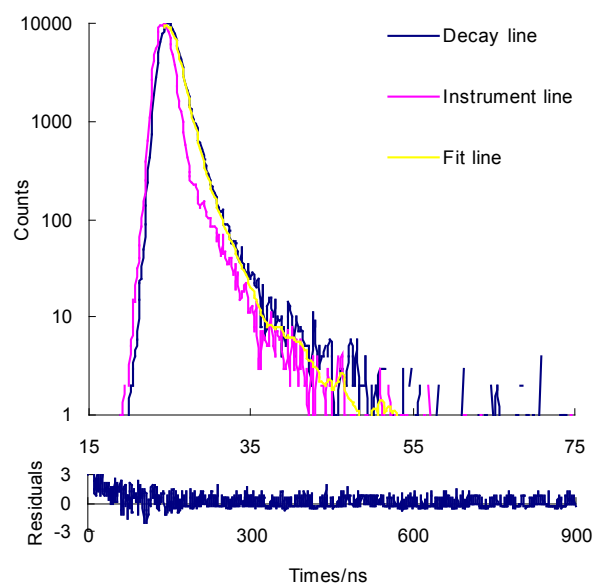


Fig. SI3 Fluorescence decay profile of CXT/CPB (5.0 μM / 20 μM) in aqueous solution of Brij 35 (1.2 mM) at pH 8.0. $\lambda_{\text{em}} = 444$ nm, EX / EM slit = 13.0 / 13.0 nm.