Electronic Supplementary Information

for

Aggregation-Enhanced FRET-Active Conjugated Polymer Nanoparticles for Picric Acid Sensing in Aqueous Solution

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Supplementary figures

Figure S1. UV-vis absorbance spectrum and fluorescence spectra of P1 in dioxane. [P1] = 8.0 μM. $\lambda_{ex} = 333$ nm.

Figure S2. Fluorescence spectra of P1 in dioxane-H$_2$O mixture solutions (left) and intensity ratio $I_{565nm}/I_{416nm}$ of P1 in the presence of increasing water content (right). [P1] = 8.0 μM. $\lambda_{ex} = 333$ nm.
Figure S3. Scanning electron microscope (SEM) images of P1 in aqueous solution (top) and dioxane (down).

Figure S4. Fluorescence spectra of P1 before and after 6 days in aqueous solution. [P1] = 6.0 mg/mL, \( \lambda_{ex} = 333 \) nm (top) and photos of P1 solutions before and after addition of 150 µM PA under UV lamp (365 nm). [P1] = 8.0 µM (down).
Figure S5. Fluorescence spectra of P1 in presence of nitroaromatics with varied concentrations ranged from 0 to 300µM in aqueous solution. [P1] = 8.0 µM. λ<sub>ex</sub> = 333 nm.