Supporting Information

A new FERT-based ratiometric probe for fluorescent and colorimetric analyses of adenosine 5'-triphosphate

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Fig. S1: Fluorescent spectra of compound 1, the mixed solution of PT and 1 in absence and presence of ATP in water (excited at 300 nm).

Fig. S2: Photoluminescent emission spectra of Cou-PT with various concentrations in water (excited at 300 nm).
**Fig. S3:** Hydrodynamic diameter distribution of **Cou-PT** (A) and **Cou-PT/ATP** complex (B) in water. [**Cou-PT**] = 100 μM, [ATP] = 30 μM.

**Fig. S4:** Job's plot.
Fig. S5: Absorption spectra of Cou-PT (100 μM) in water in presence of ADP with concentrations ranging from 0 to 28 μM.

Fig. S6: Absorption spectra of Cou-PT (100 μM) in water in presence of AMP with concentrations ranging from 0 to 28 μM.
Fig. S7: Dependence of the emission intensity ratio $R$ of the probe Cou-PT on the concentration of ATP for the determination of detection limit.