Electronic Supplementary Information

A coumarin-benzothiazole derivative as a FRET-based chemosensor of adenosine 5′-triphosphate

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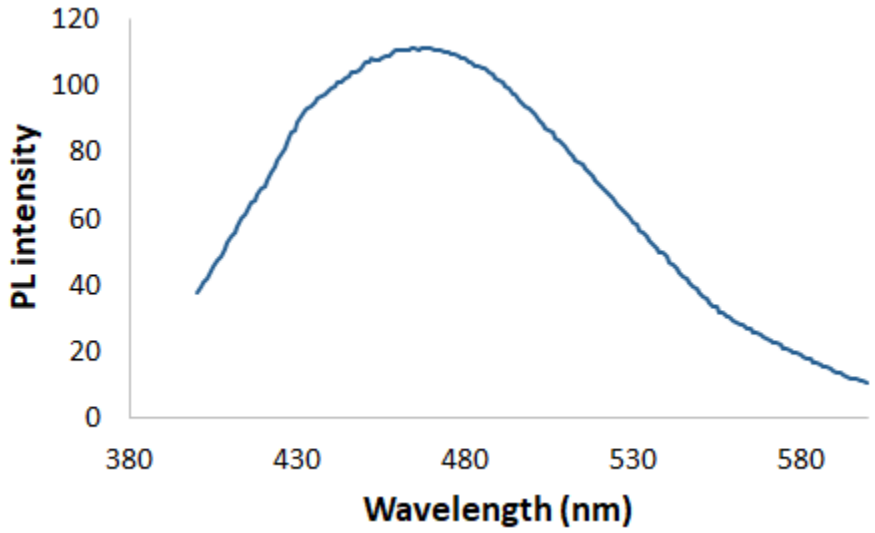

Fig. S1. Emission spectrum of **7** (10 μM).

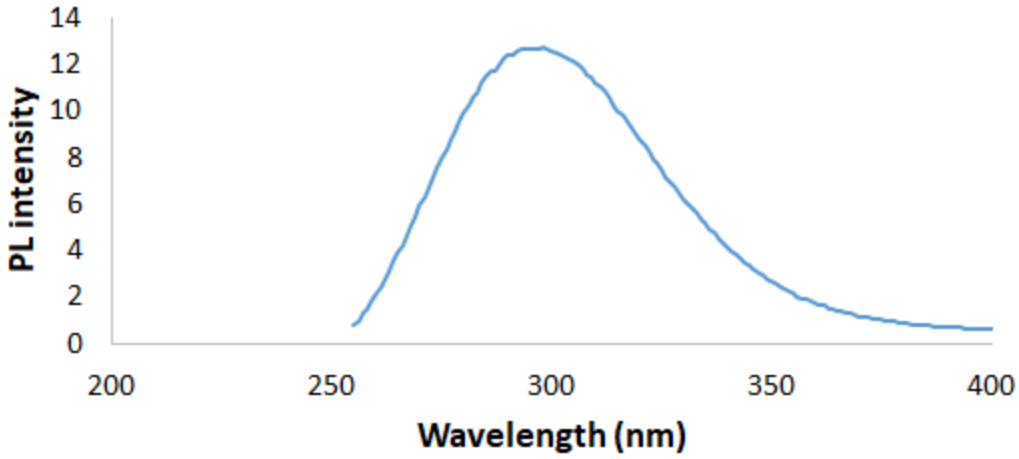

Fig. S2. Absorption spectrum of **6** (10 μM).

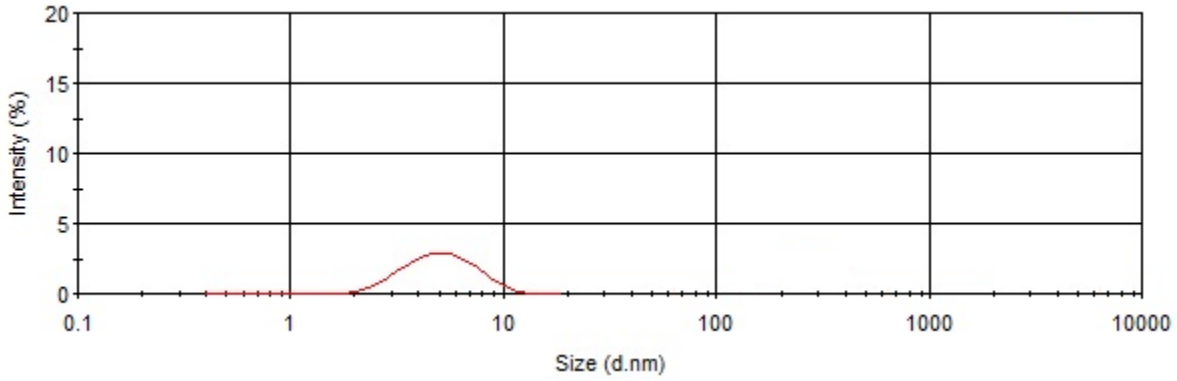

Fig. S3. DLS particle size analysis of **5** (10 μM) in HEPES buffer (pH 7.5) in the absence of ATP.

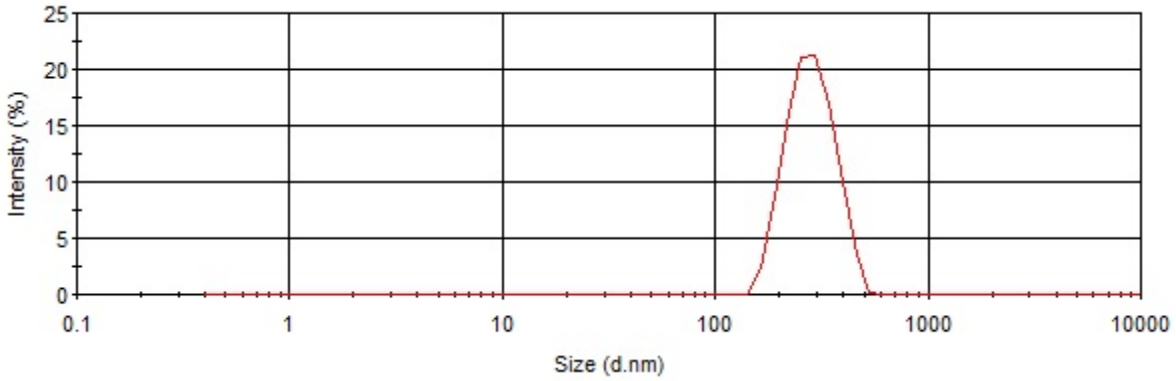

Fig. S4. DLS particle size analysis of **5** (10 μM) in HEPES buffer (pH 7.5) in the presence of ATP (10 μM).

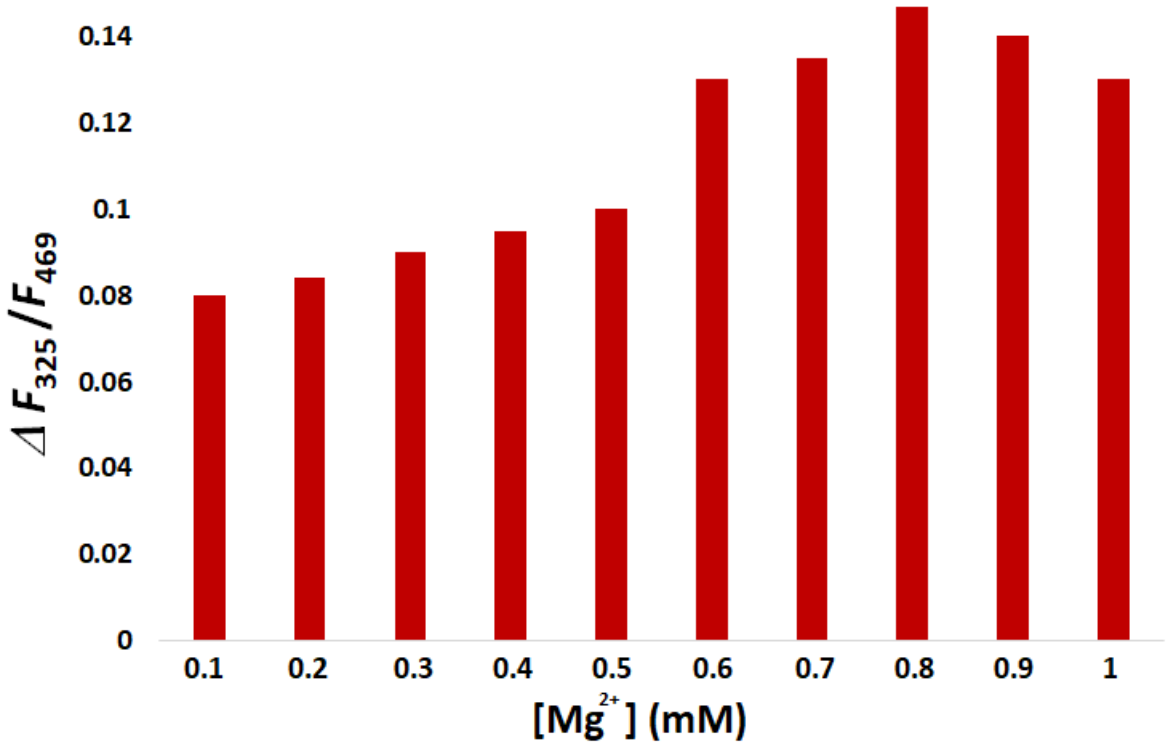

Fig. S5. The change in F_{325}/F_{469} ratio of probe **5** (10 μM) in the presence of ATP (10 μM) and various concentrations of Mg^{2+} (0.1-1 mM).

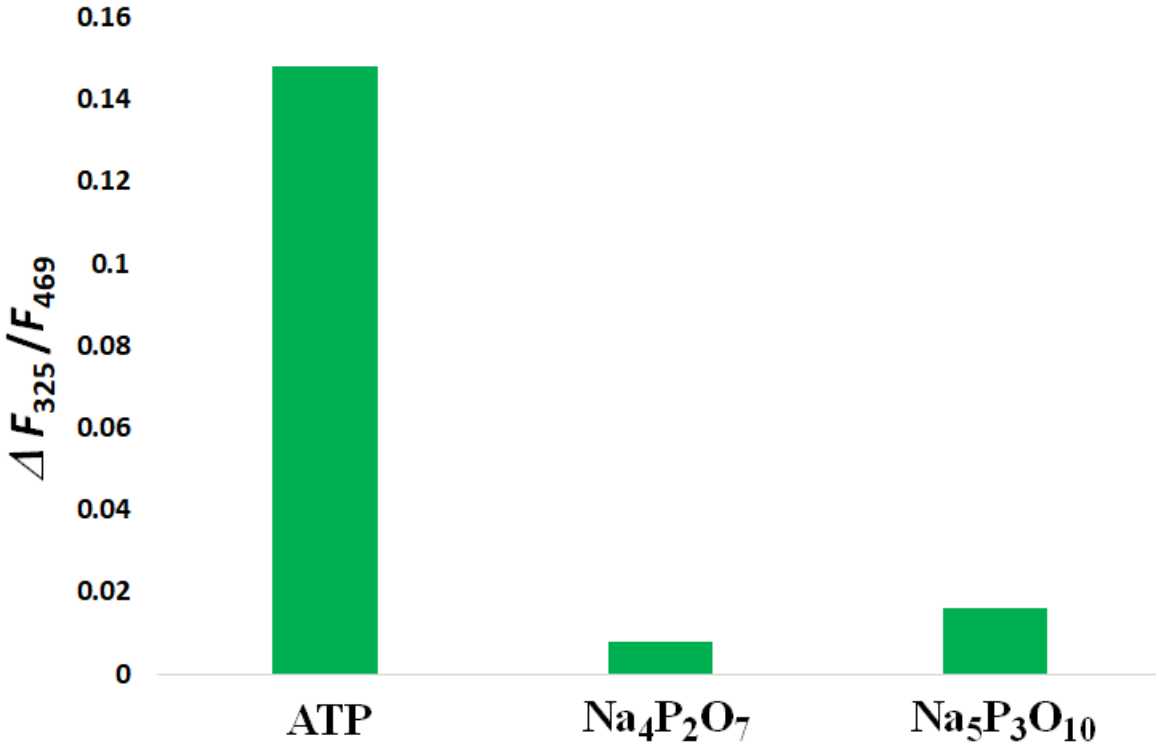

Fig. S6. The change in F_{325}/F_{469} ratio of probe **5** (10 μM) in the presence of (10 μM) of ATP, sodium diphosphate and sodium triphosphate.

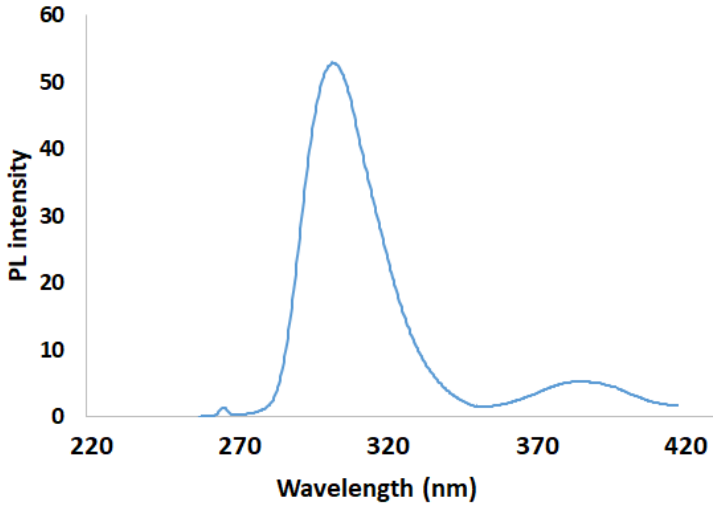

Fig. S7. Absorption spectrum of **5** (10 μM).

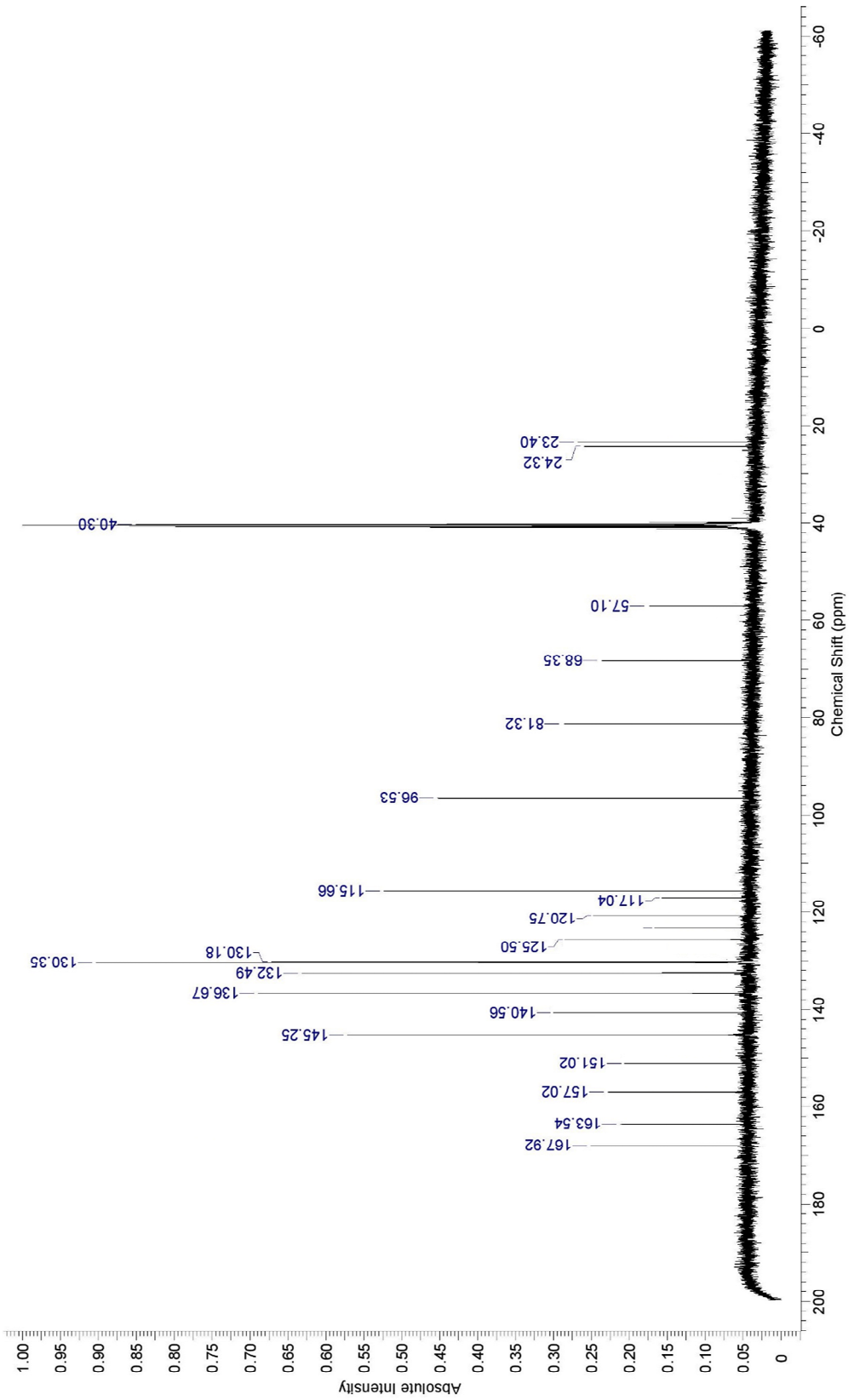

Fig. S8. ^{13}C NMR spectrum of compound **5**.