

## Supporting Information

### **Mitochondria-specific visible-light sensitized europium complex with red emission**

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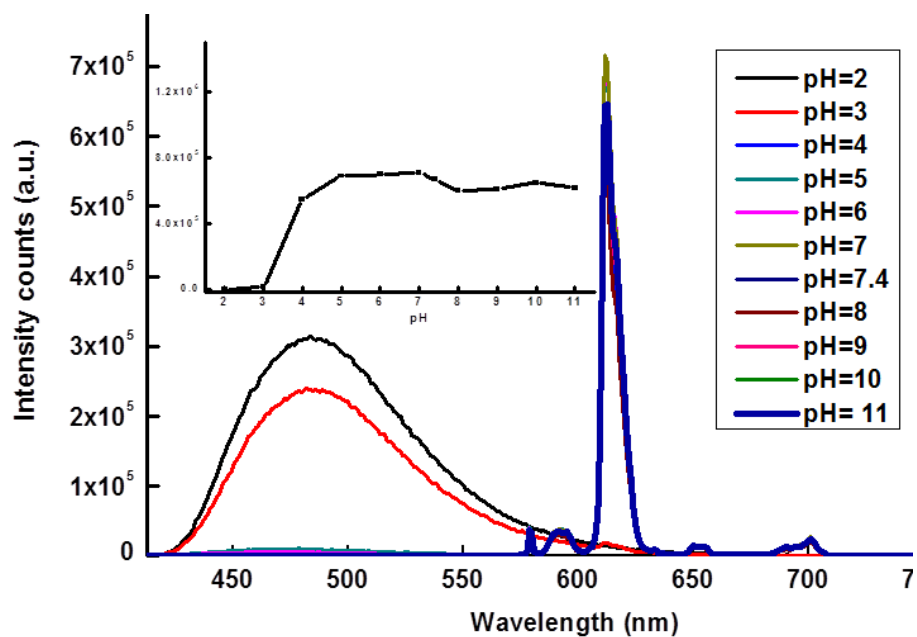
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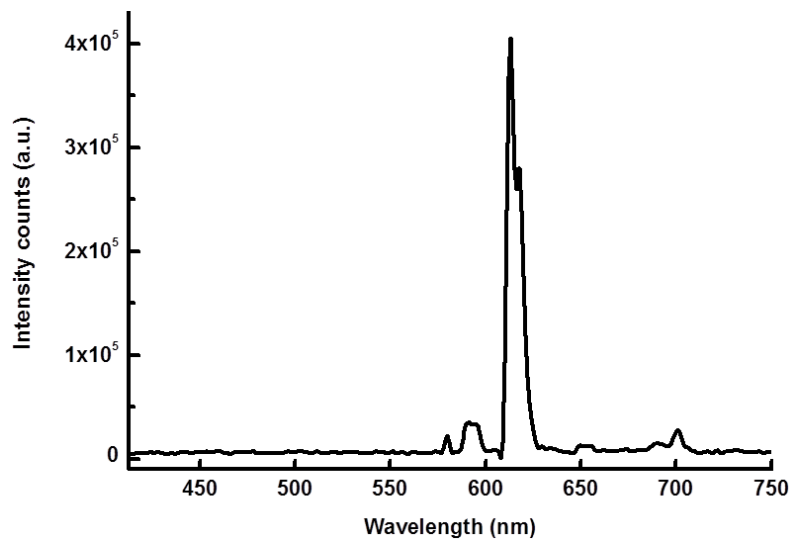
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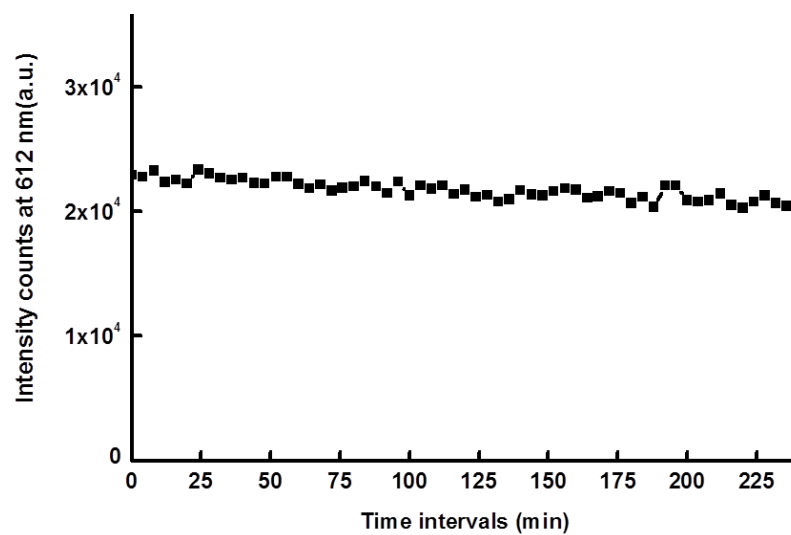
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**Fig. S1** Effect of pH on the luminescence intensity of the complex  $\text{Eu}(\text{pfppd})_3(\text{tpy})$ , (inset profile shows the intensity at 612 nm versus pH).



**Fig. S2** 77K emission spectra of complex Eu(pfppd)<sub>3</sub>(tpy) in DMSO/PBS = 2:98 ( $c = 1 \times 10^{-5}$  M, pH = 7.4,  $\lambda_{\text{ex}} = 403$  nm).



**Fig. S3** Photoluminescence intensity of complex  $\text{Eu}(\text{pfppd})_3(\text{tpy})$  in  $\text{DMSO}/\text{PBS} = 2:98$  as a function of irradiation time.