

**Electronic Supplementary Information for**

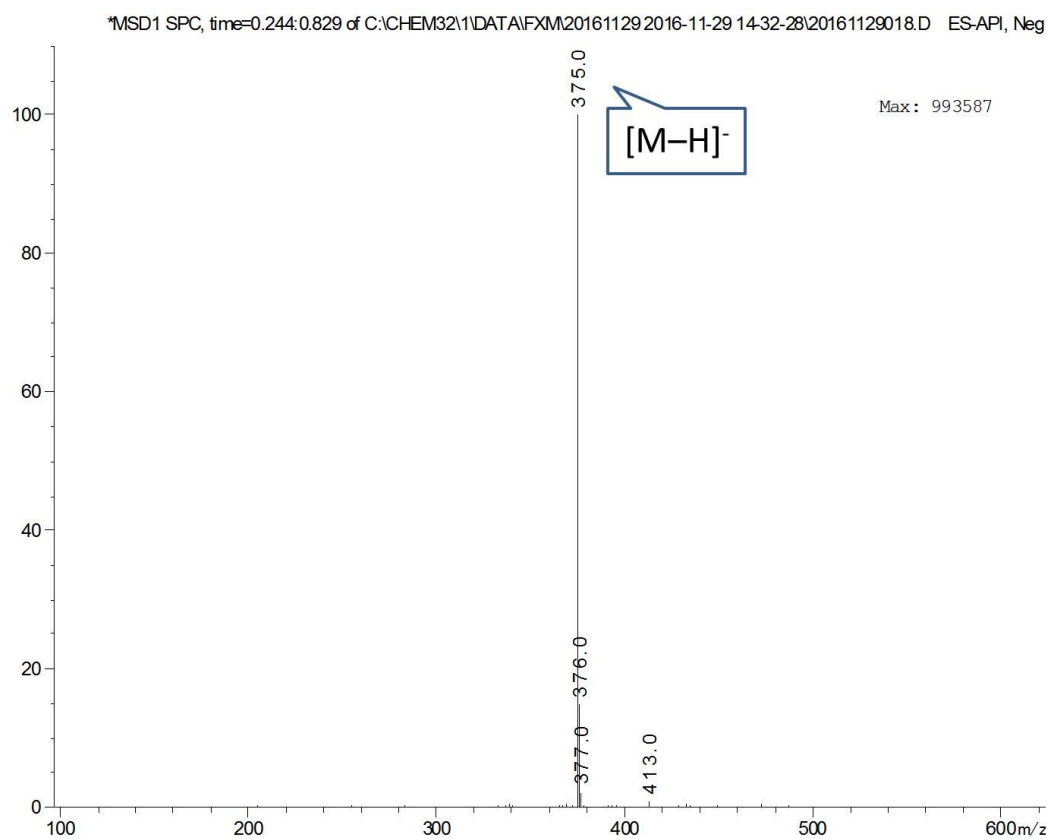
**A visible-light-excited  $\text{Eu}^{3+}$  complex-based luminescent probe for highly sensitive time-gated luminescence imaging detection of intracellular peroxynitrite**

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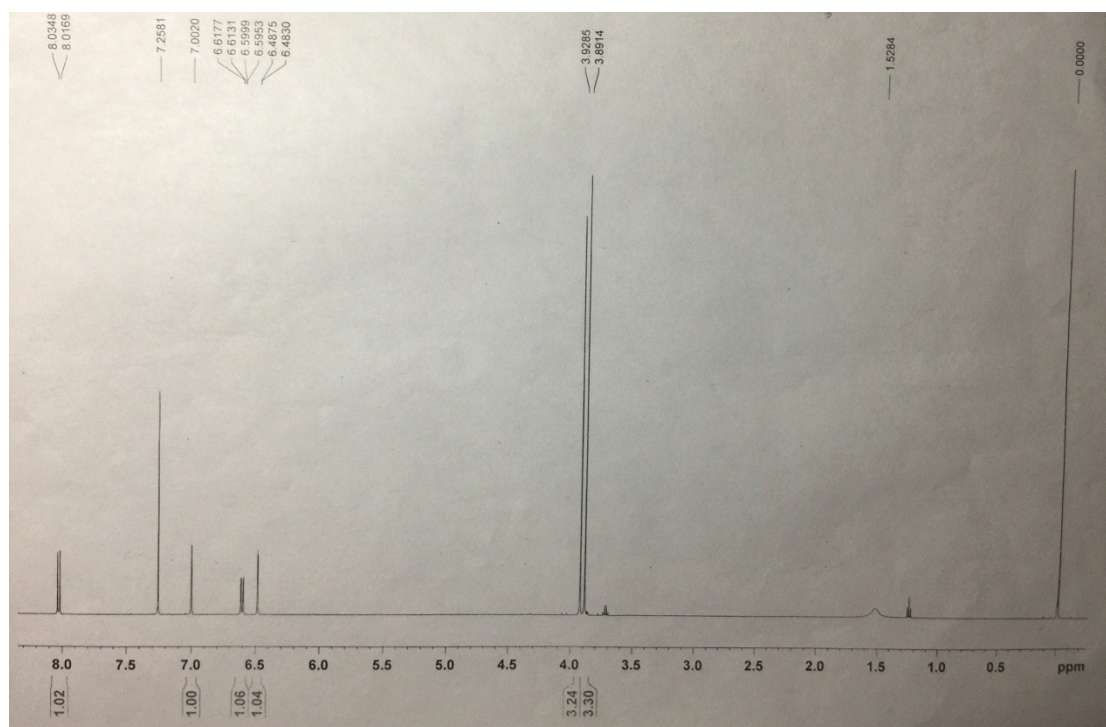
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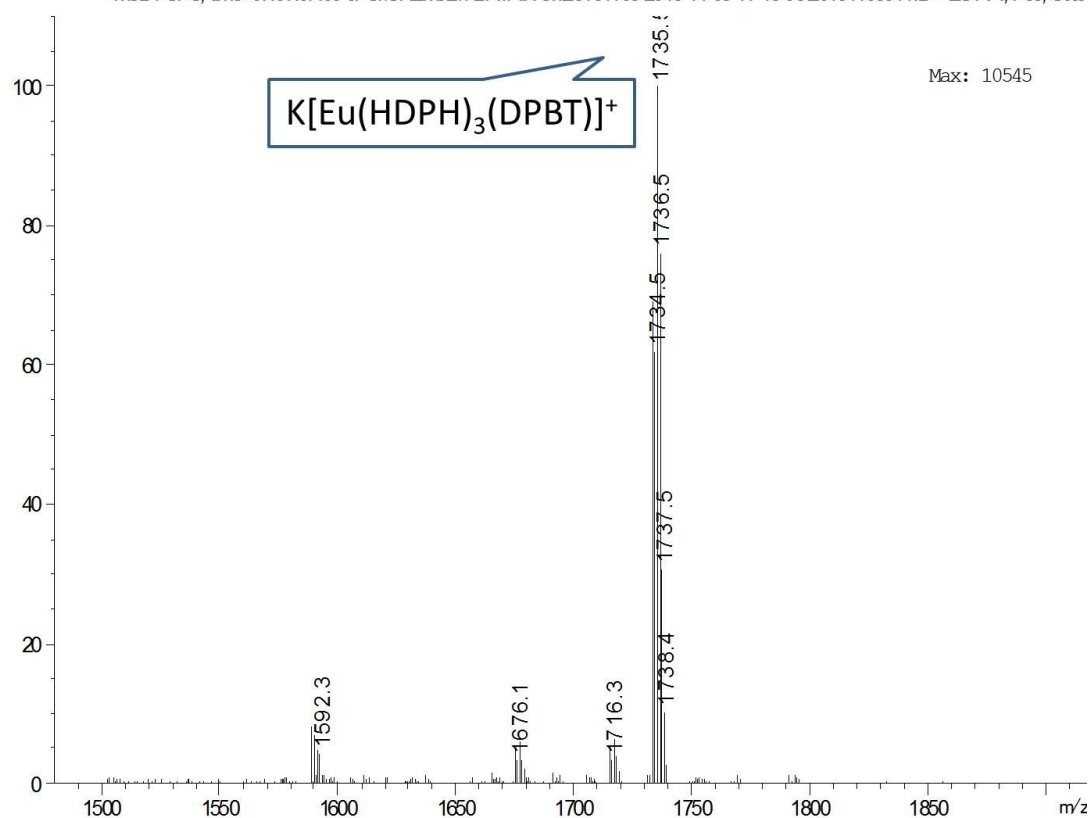
E-mail: wujing0327@sina.com



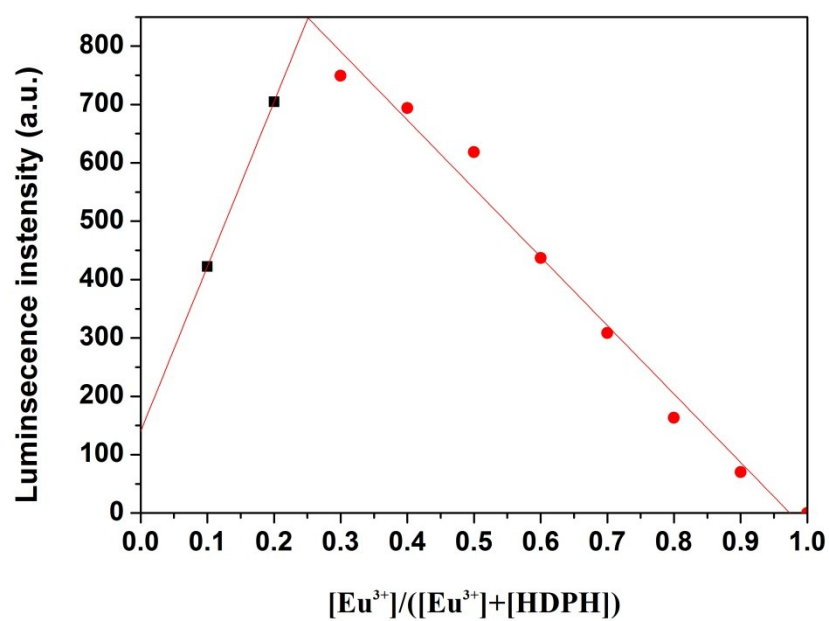
**Fig. S1** ESI-mass spectrum of HDPH.



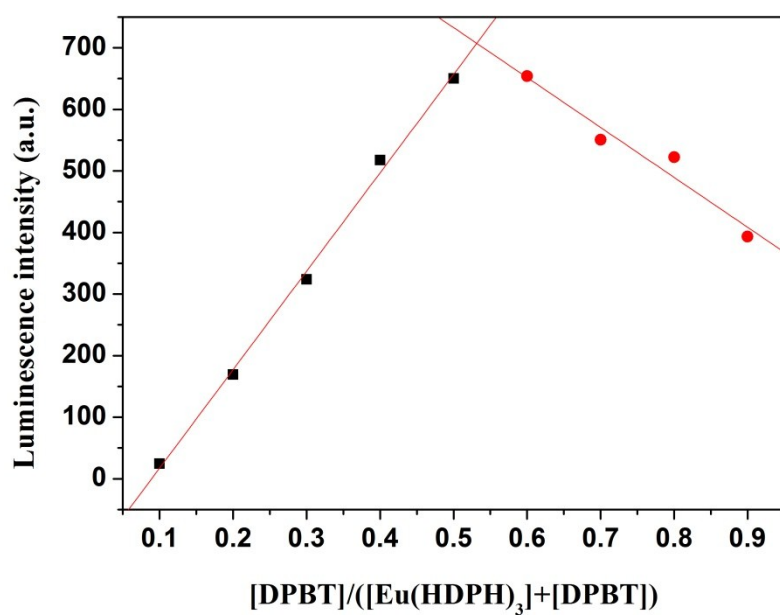
**Fig. S2**  $^1\text{H}$  NMR spectrum of HDPH.



**Fig. S3** ESI-mass spectrum of  $[\text{Eu}(\text{HDPH})_3(\text{DPBT})]$ .



**Fig. S4** Job's plot of the reaction between  $Eu^{3+}$  and HDPH in 0.05 M Tris-HCl buffer of pH 7.4 (the total concentration of  $Eu^{3+}$  and HDPH was kept at 10  $\mu$ M).



**Fig. S5** Job's plot of the reaction between  $[\text{Eu}(\text{HDPH})_3]$  and DPBT in 0.05 M Tris-HCl buffer of pH 7.4 (the total concentration of  $[\text{Eu}(\text{HDPH})_3]$  and DPBT was kept at 10  $\mu\text{M}$ ).