

## Supporting Information

### **Design and synthesis of a mitochondria-targeting radioprotectant for promoting skin wound healing combined with ionizing radiation injury**

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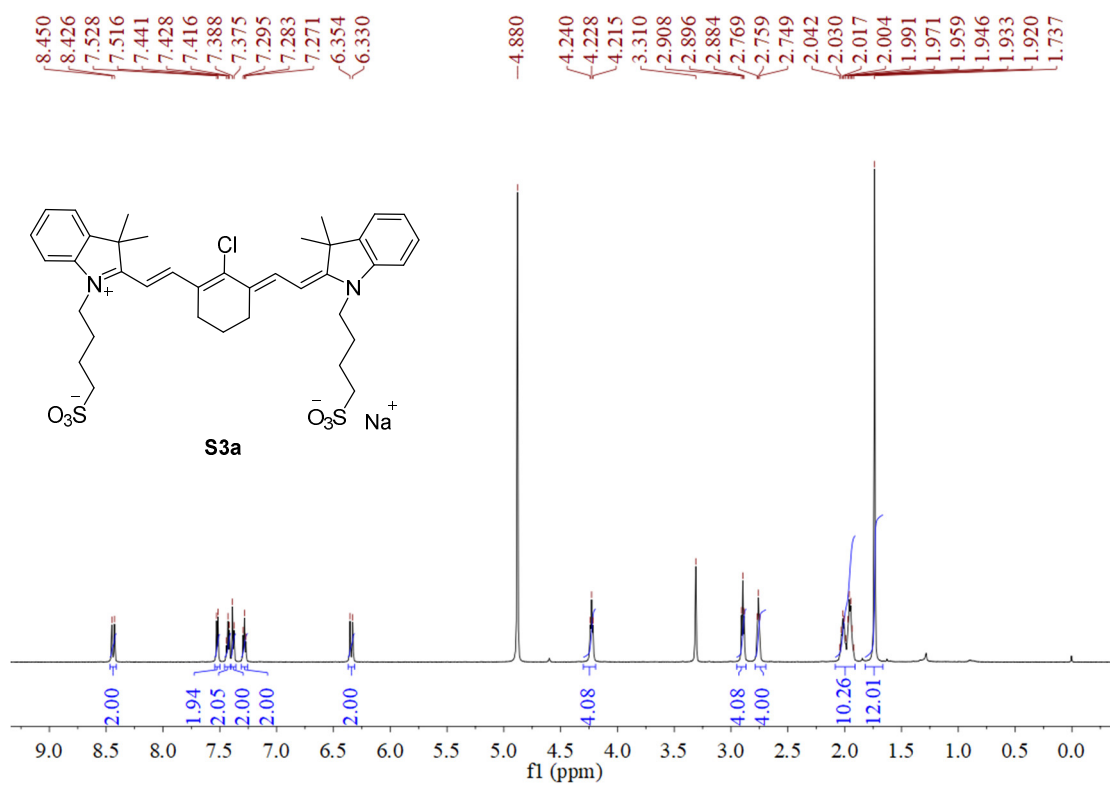


Figure S1. <sup>1</sup>H NMR of **S3a**

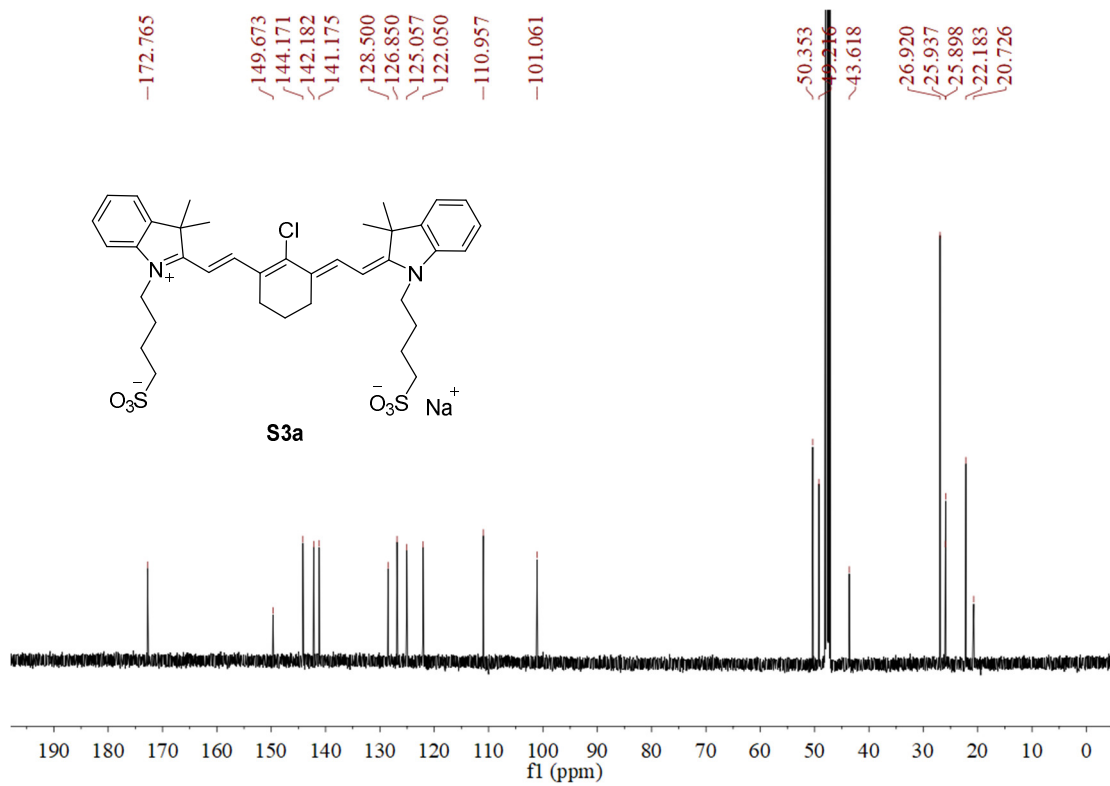


Figure S2. <sup>13</sup>C NMR of **S3a**

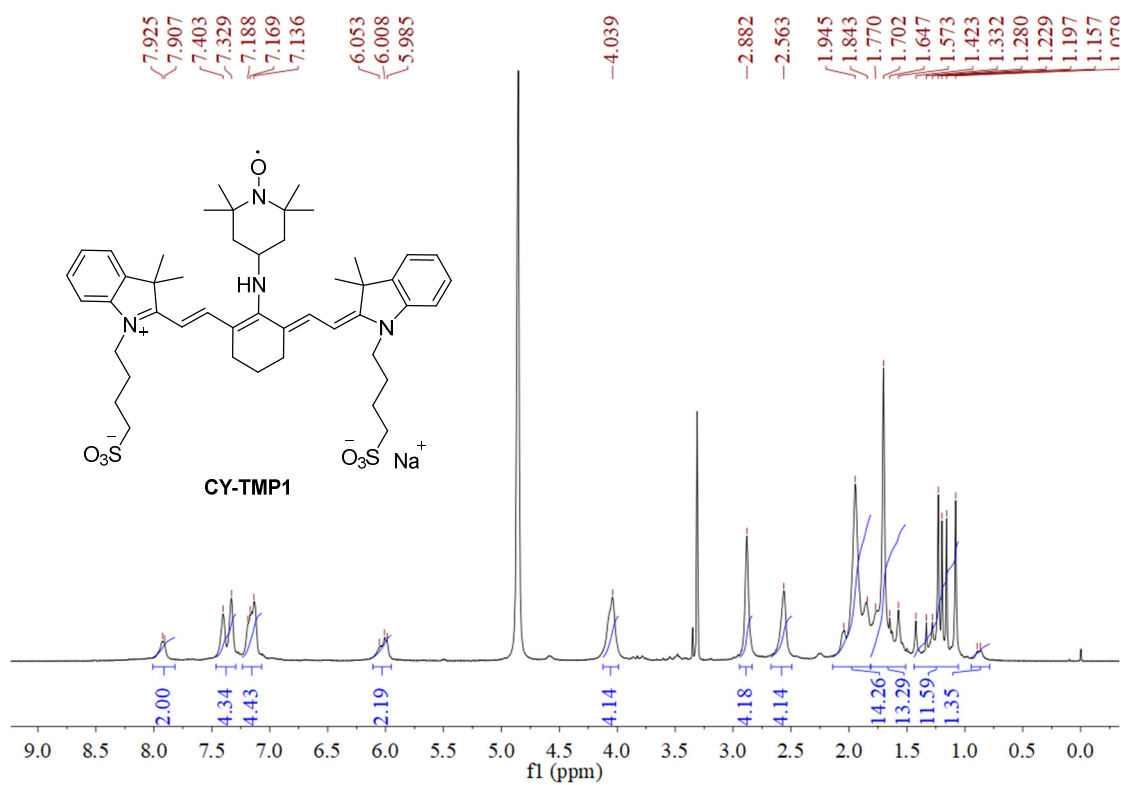


Figure S3.  $^1\text{H}$  NMR of CY-TMP1

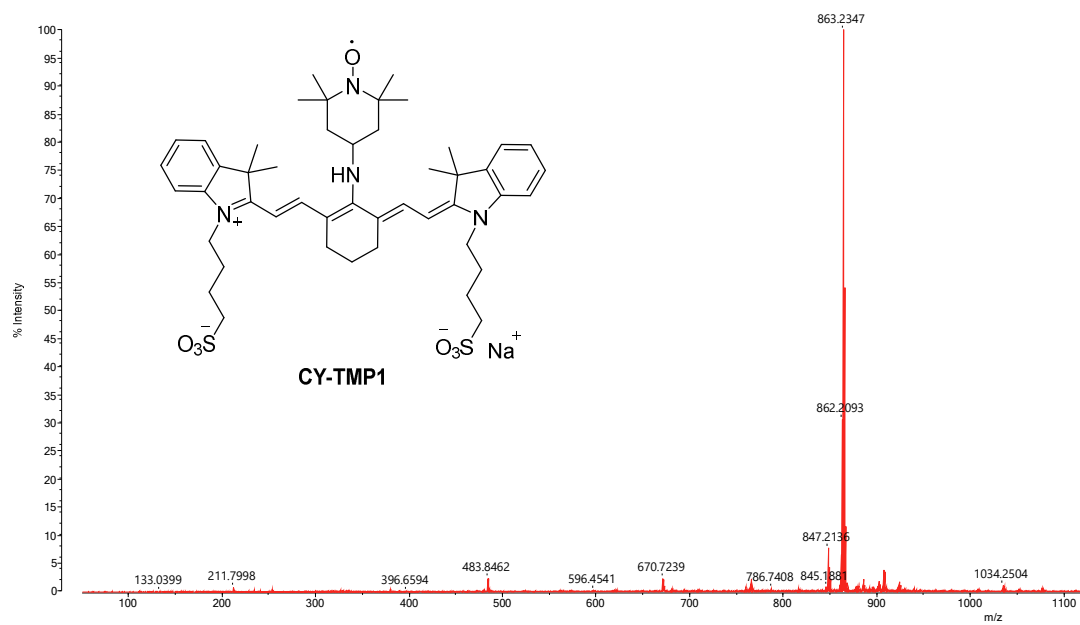


Figure S4. Mass Spectra of CY-TMP1

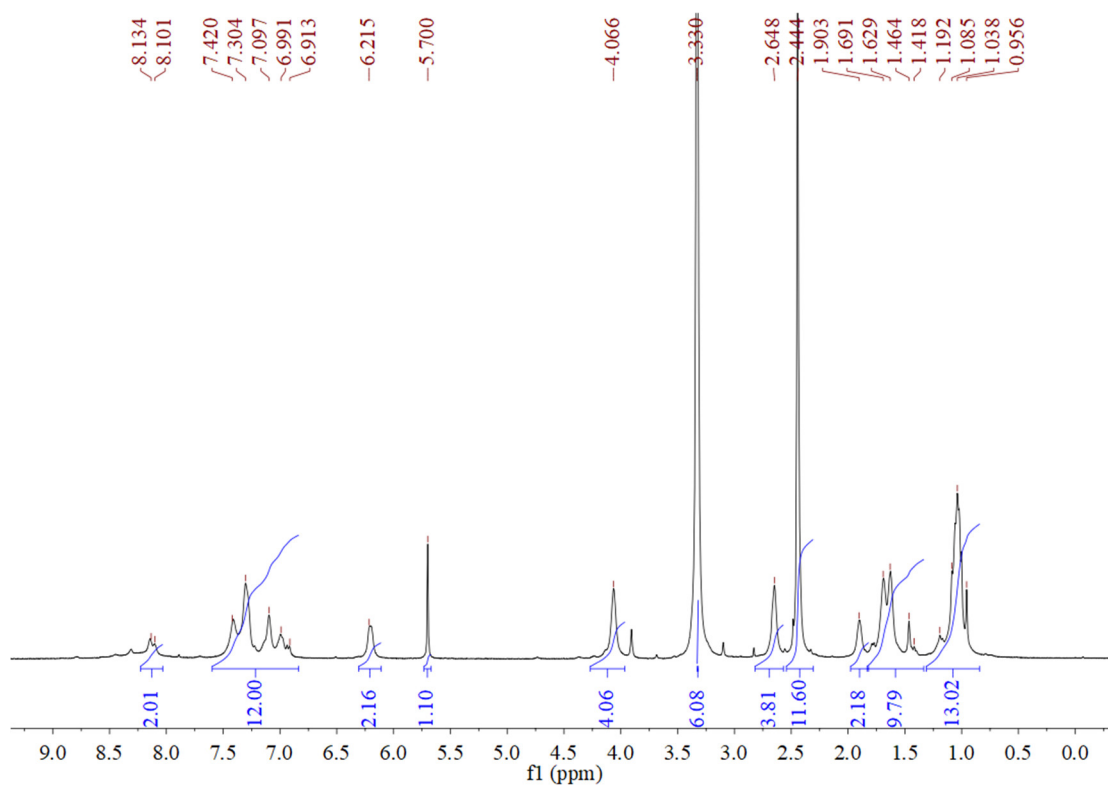


Figure S5. <sup>1</sup>H NMR of CY-TMP2

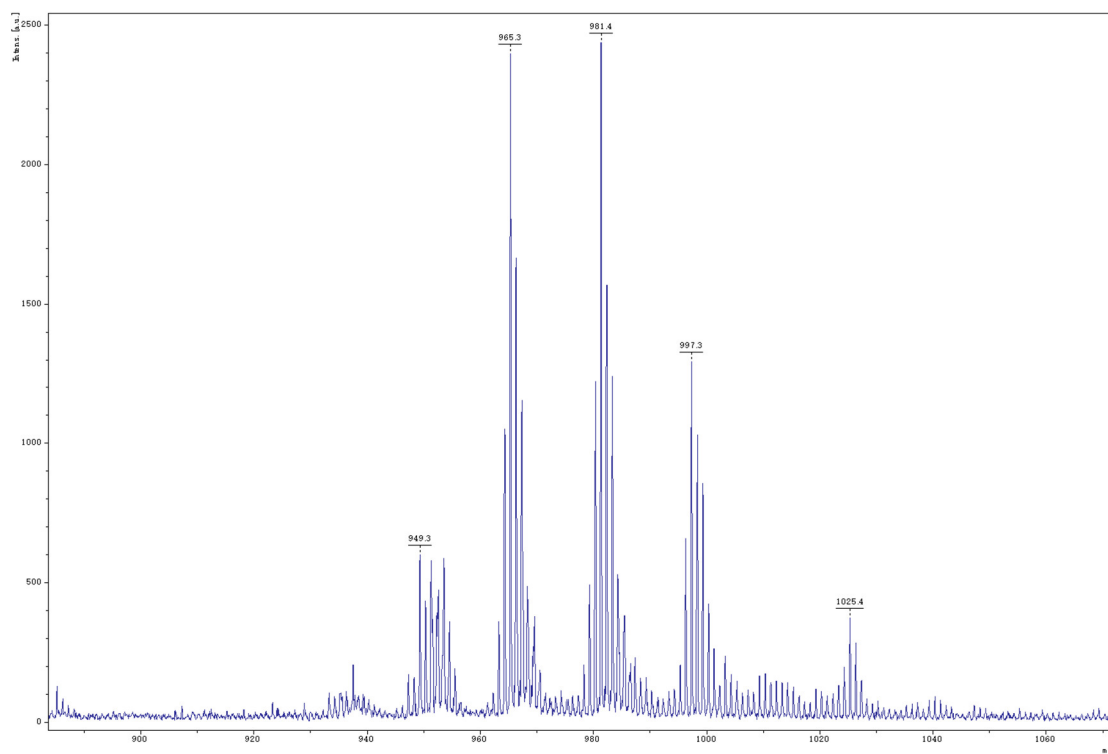


Figure S6. Mass Spectra of CY-TMP2.

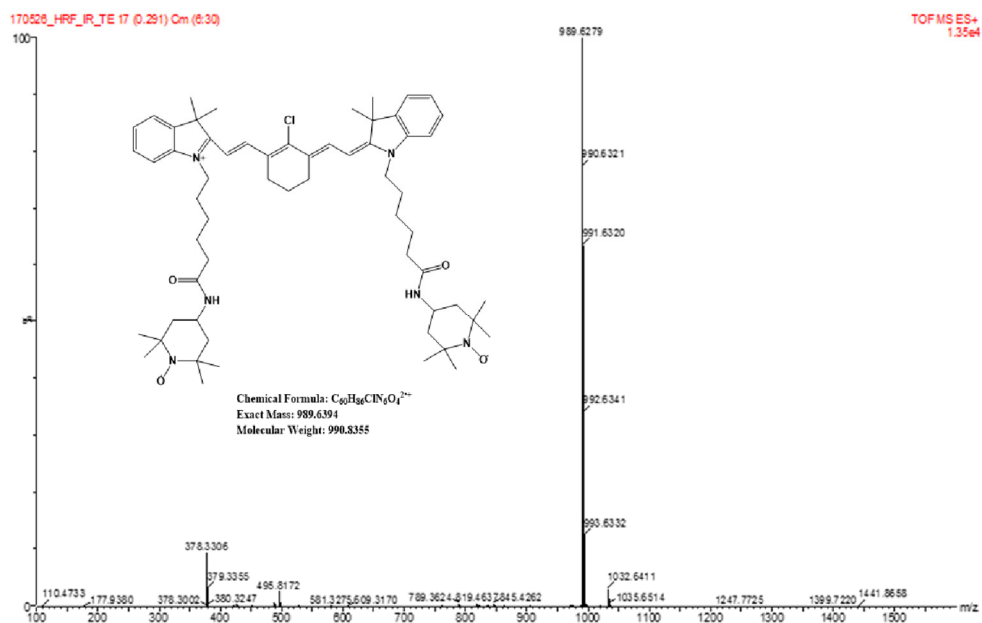


Figure S7. Mass Spectra of CY-TMP3.

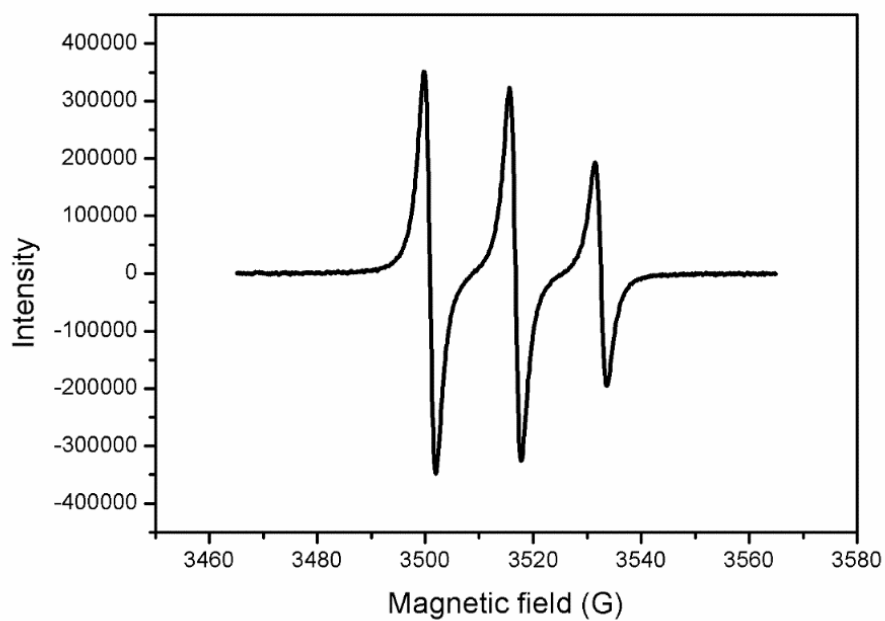


Figure S8. EPR Spectra of CY-TMP1

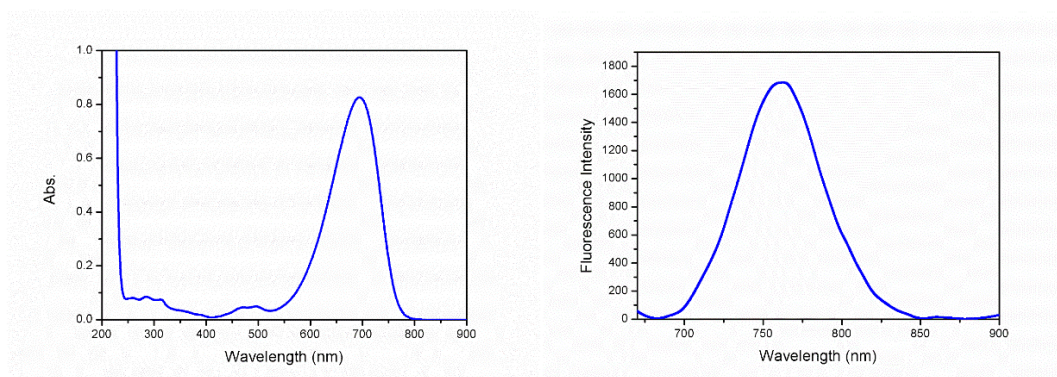


Figure S9. Absorption (left) and emission (right) spectra of CY-TMP1.