

## Supplementary Materials

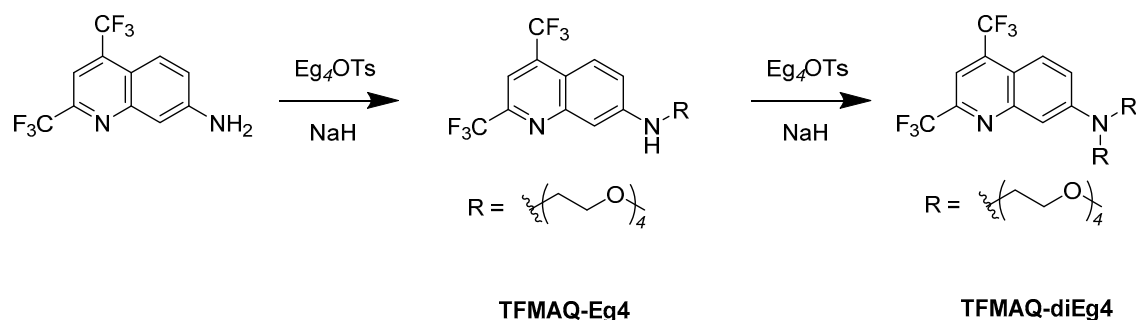
# Fluorescence tumor-imaging using a thermo-responsive molecule with an emissive aminoquinoline derivative

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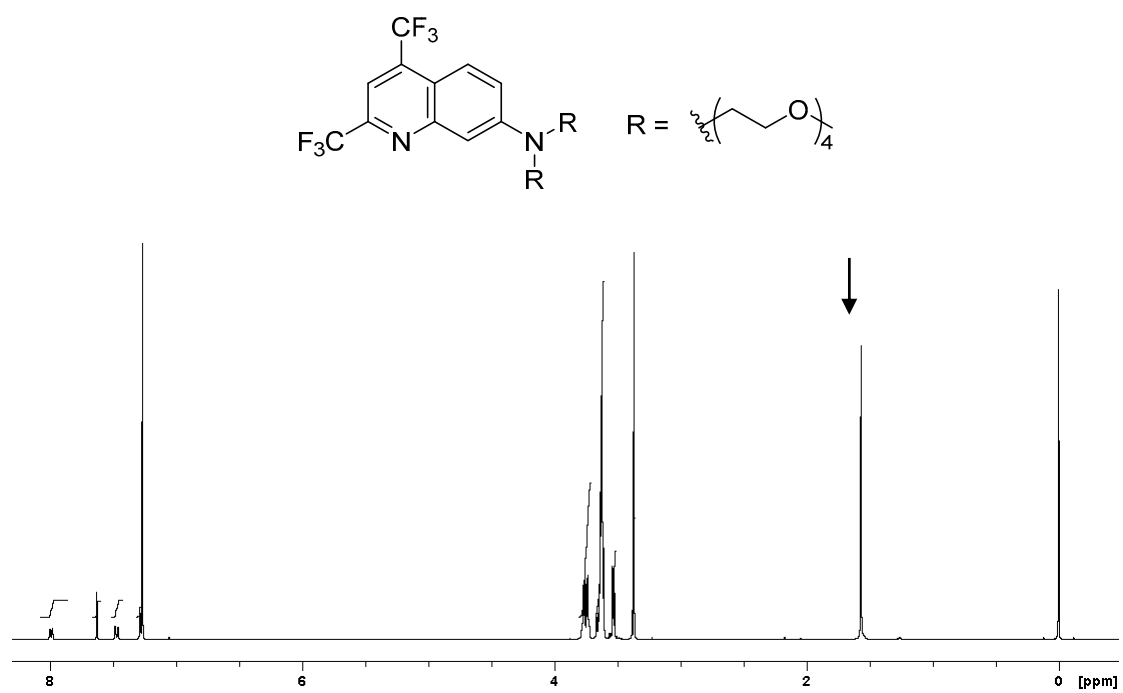
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### Table of Contents

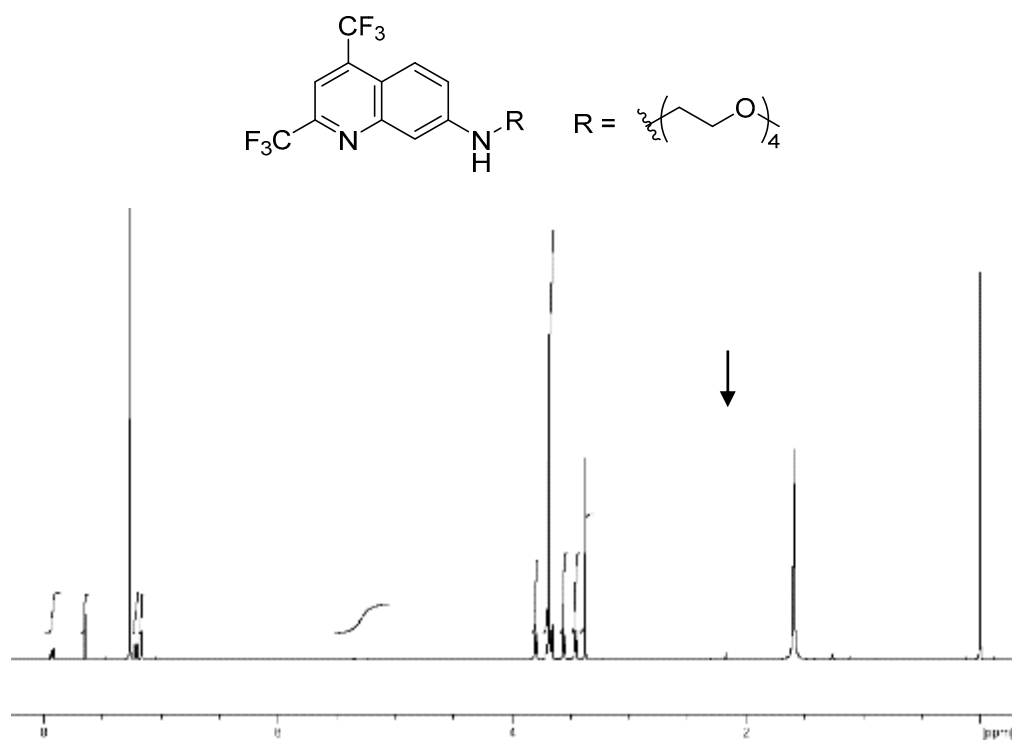
1. Synthetic route of <b>TFMAQ-diEg4</b> .	S3
2. Copies of <sup>1</sup> H NMR spectrum of <b>TFMAQ-diEg4</b> .	S4
3. Copies of <sup>1</sup> H NMR spectrum of <b>TFMAQ-Eg4</b> .	S5
4. Temperature dependence of the fluorescence spectra of <b>TFMAQ-diEg4</b> .	S6
5. Illustrations showing the process of controlling the body temperature, in mice.	S7



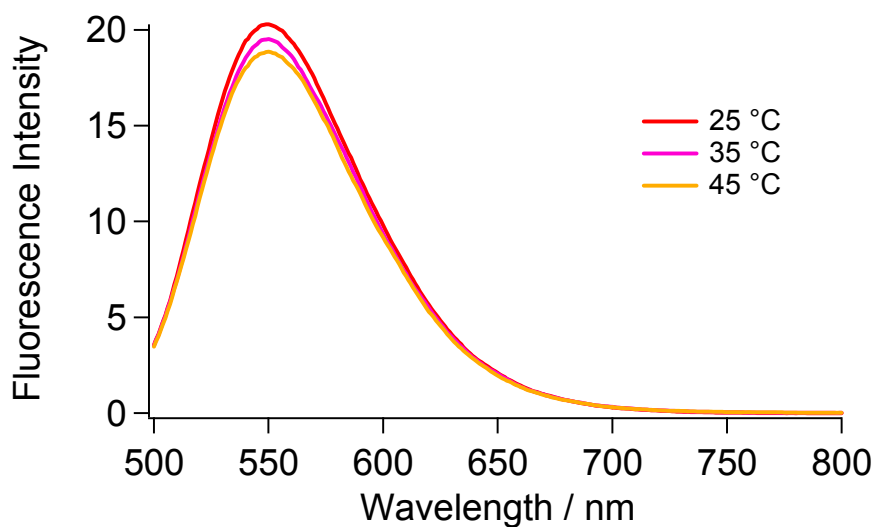
**Scheme S1.** Synthetic route of the **TFMAQ-diEg4**.



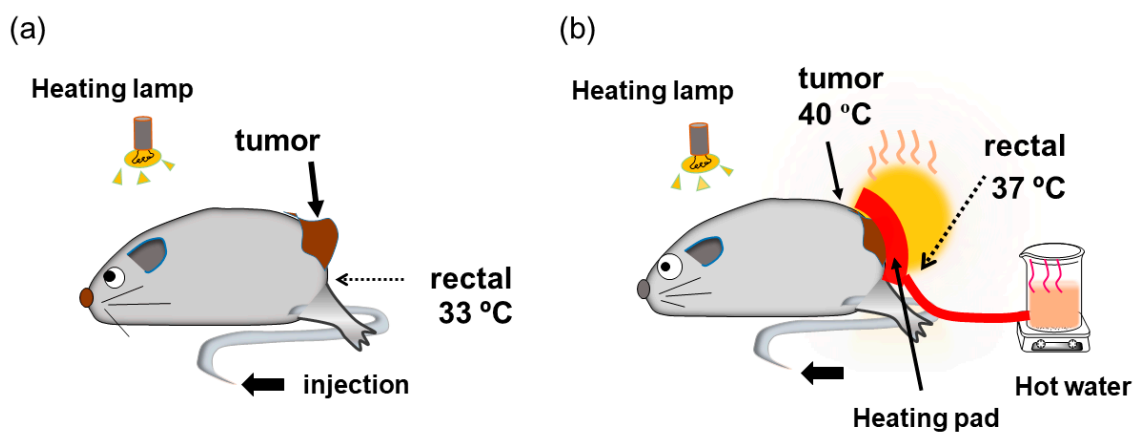
**Figure S1.**  $^1H$  NMR spectrum of TFMAQ-diEg4 in  $CDCl_3$ . Arrow indicates  $^1H$  of



**Figure S2.**  $^1H$  NMR spectrum of TFMAQ-Eg4 in  $CDCl_3$ . Arrow indicates  $^1H$  of water.



**Figure S3.** Temperature dependence of the fluorescence spectra of TFMAQ-diEg4.



**Figure S4.** Illustrations showing the process of controlling the body temperature, in mice (a) and (b) indicate the conditions of without and with local heating around tumor tissues, respectively.