

Supporting Information

Facile Synthesis of Sulfur-Containing Functionalized Disiloxanes with Nonconventional Fluorescence by Thiol–Epoxy Click Reaction

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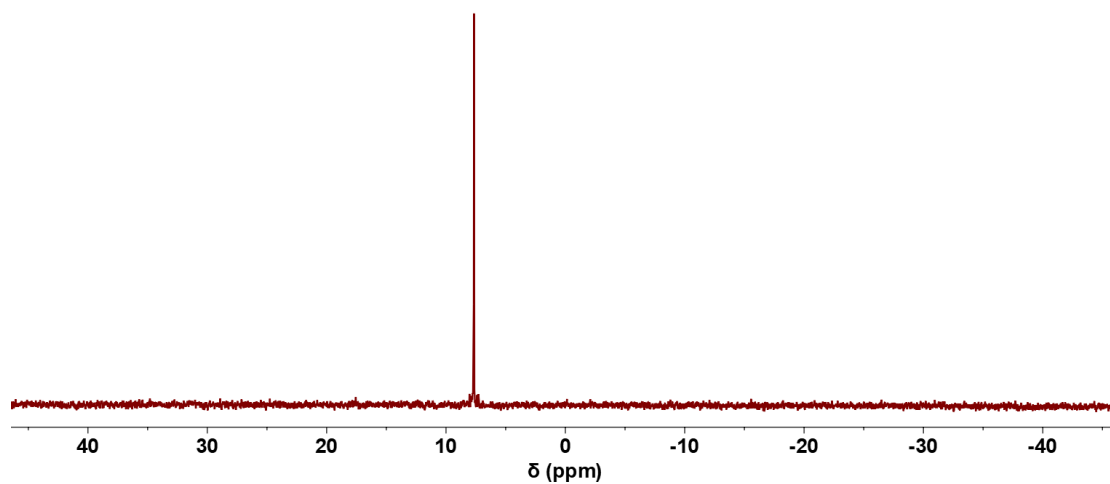


Figure S1. ^{29}Si NMR spectra of the reaction mixture after 6 h (TBAF, 10mol%)

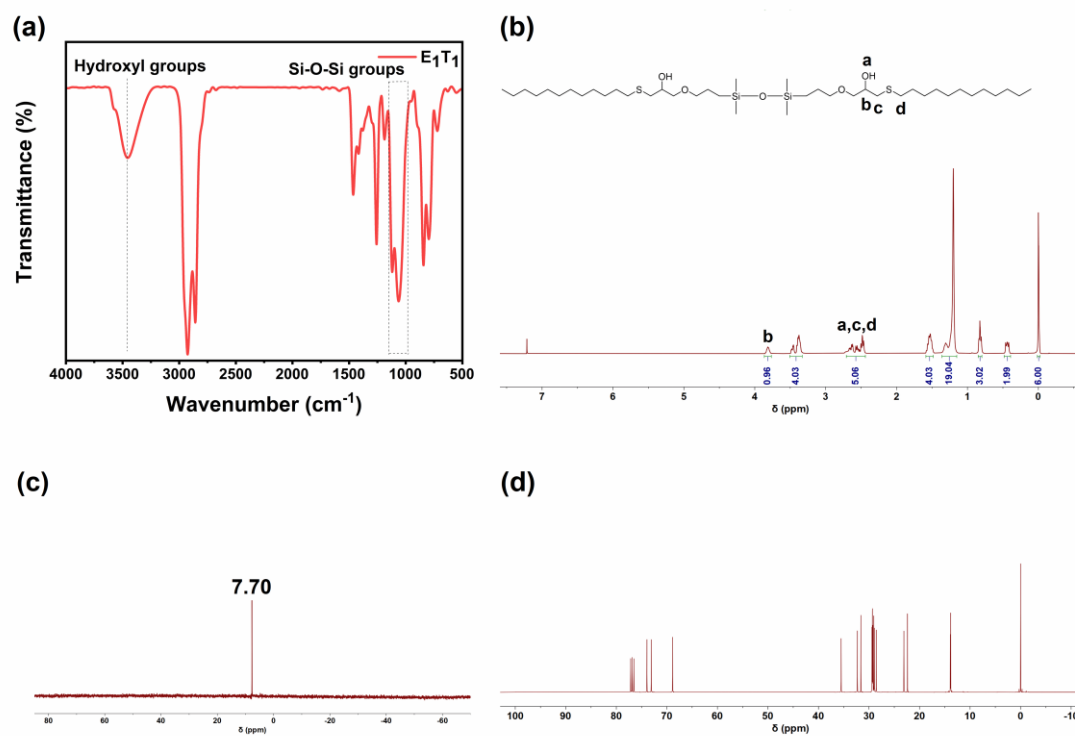


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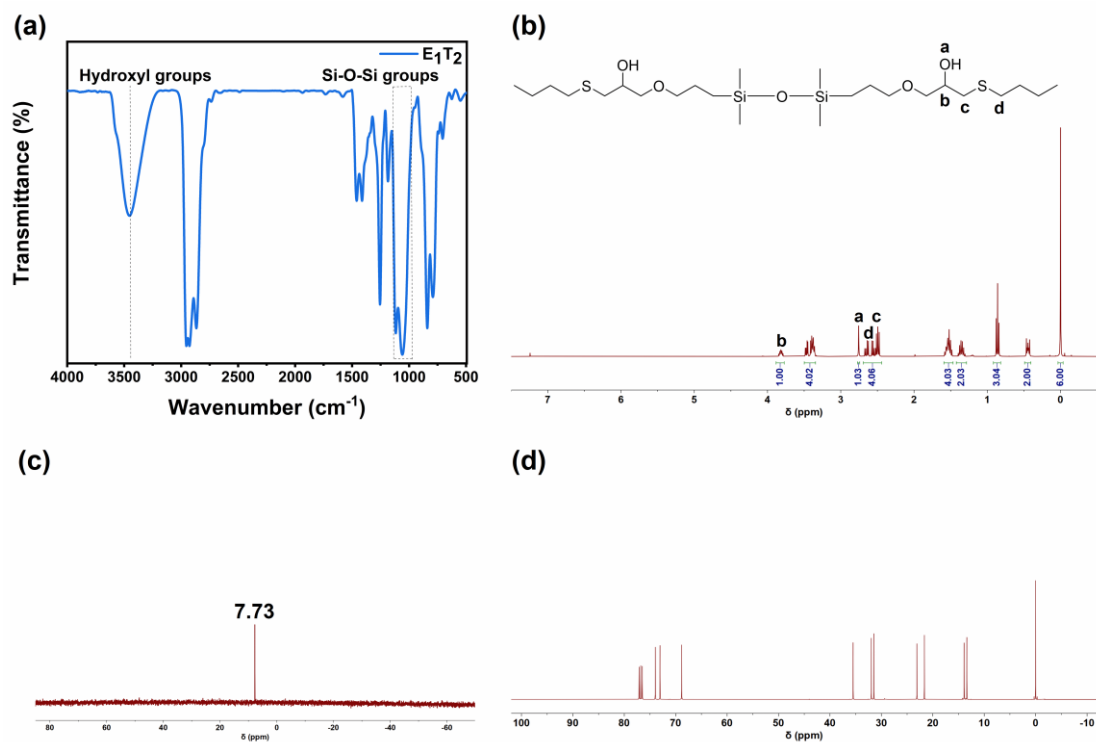


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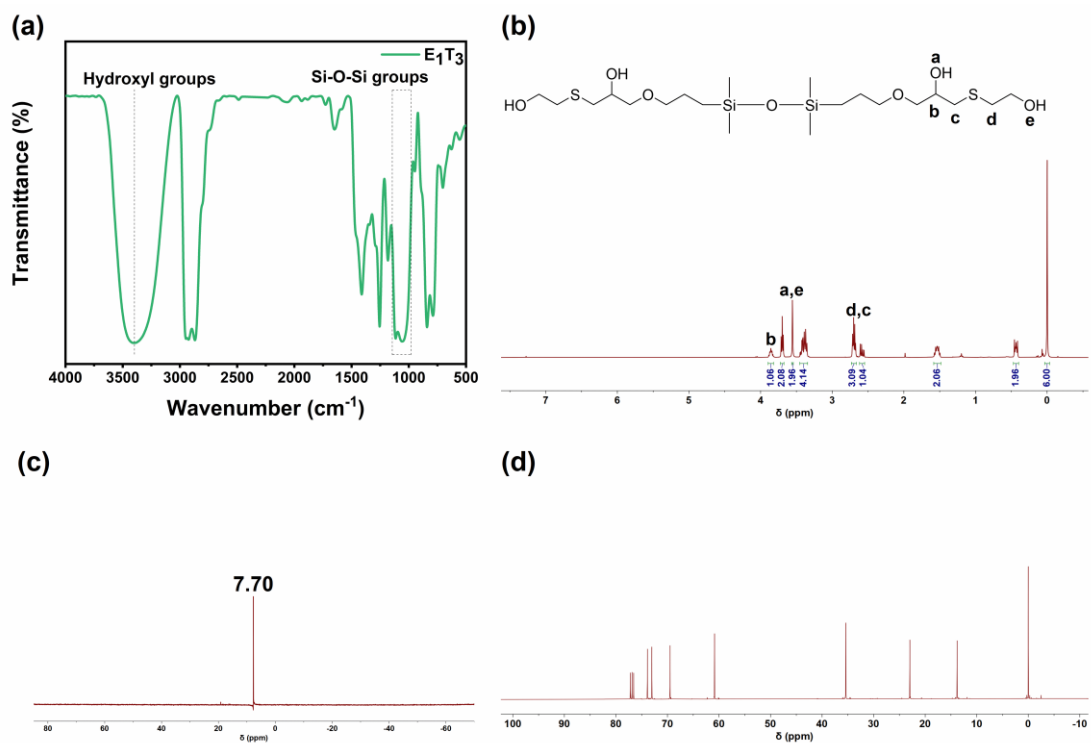


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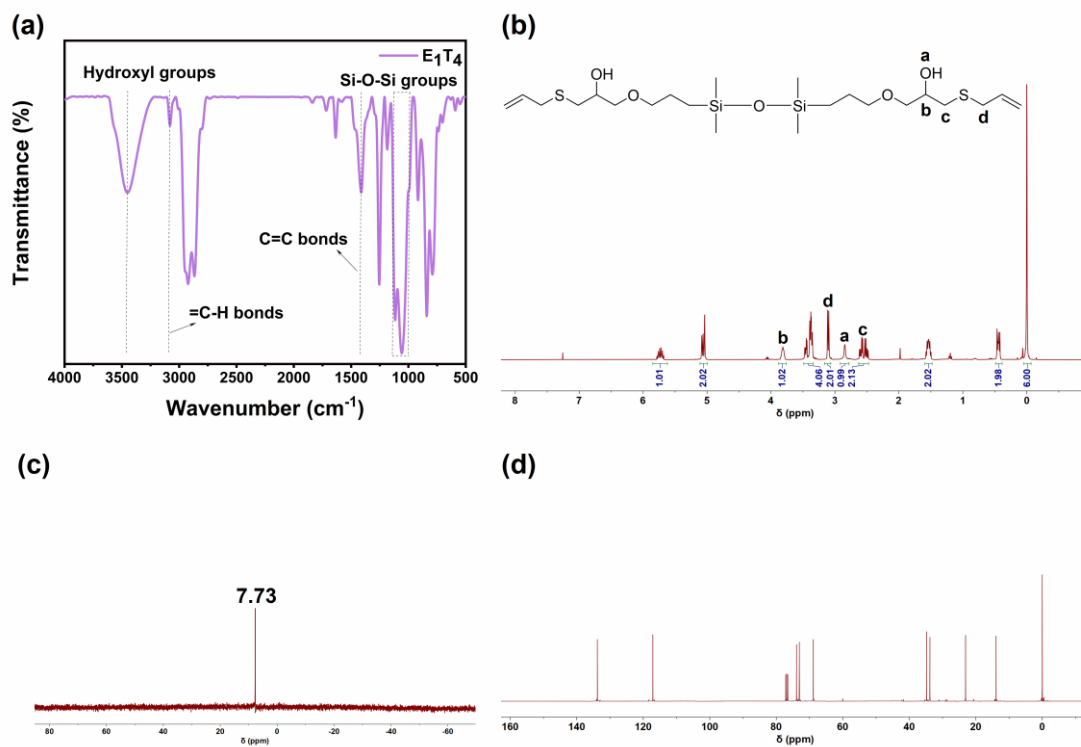


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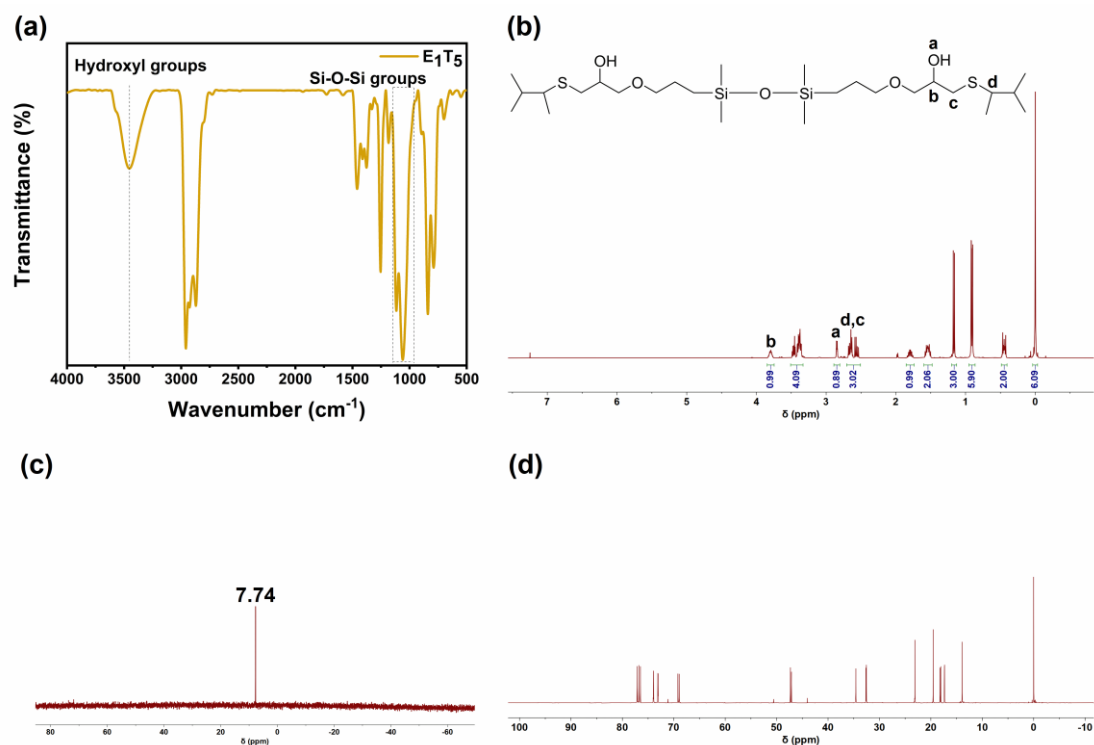


Figure S6. (a) FT-IR spectra of functionalized disiloxane E₁T₅; (b) ¹H NMR spectrum of E₁T₅; (c) ²⁹Si NMR spectrum of E₁T₅; (d) ¹³C NMR spectrum of E₁T₅.

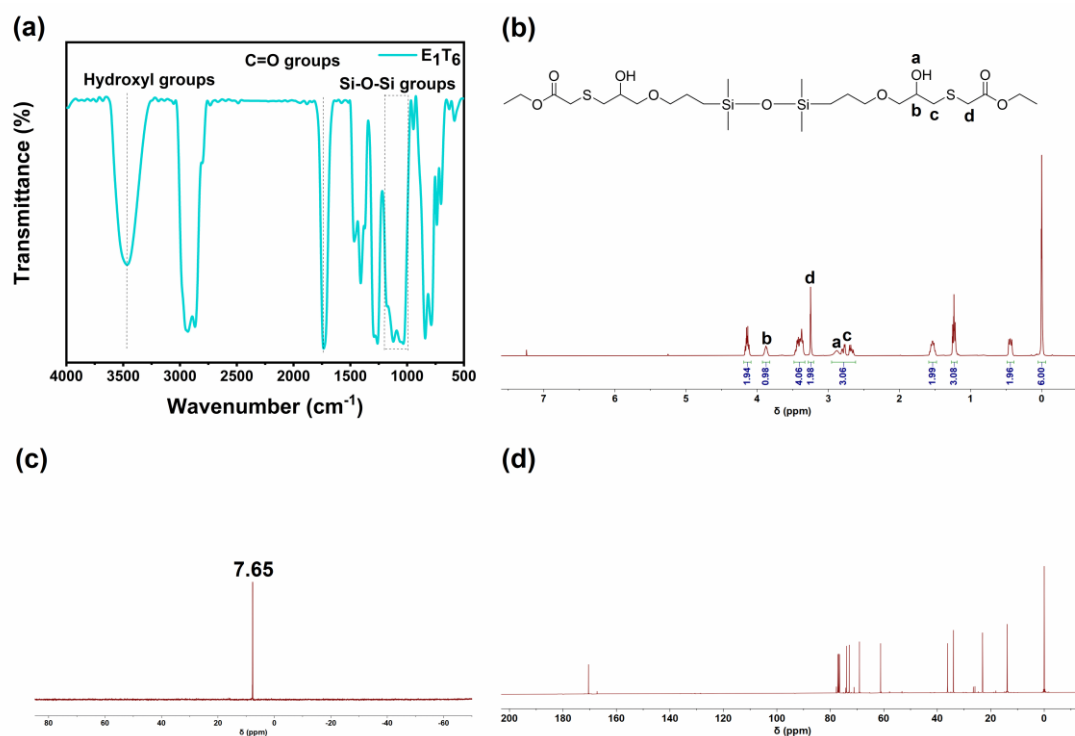


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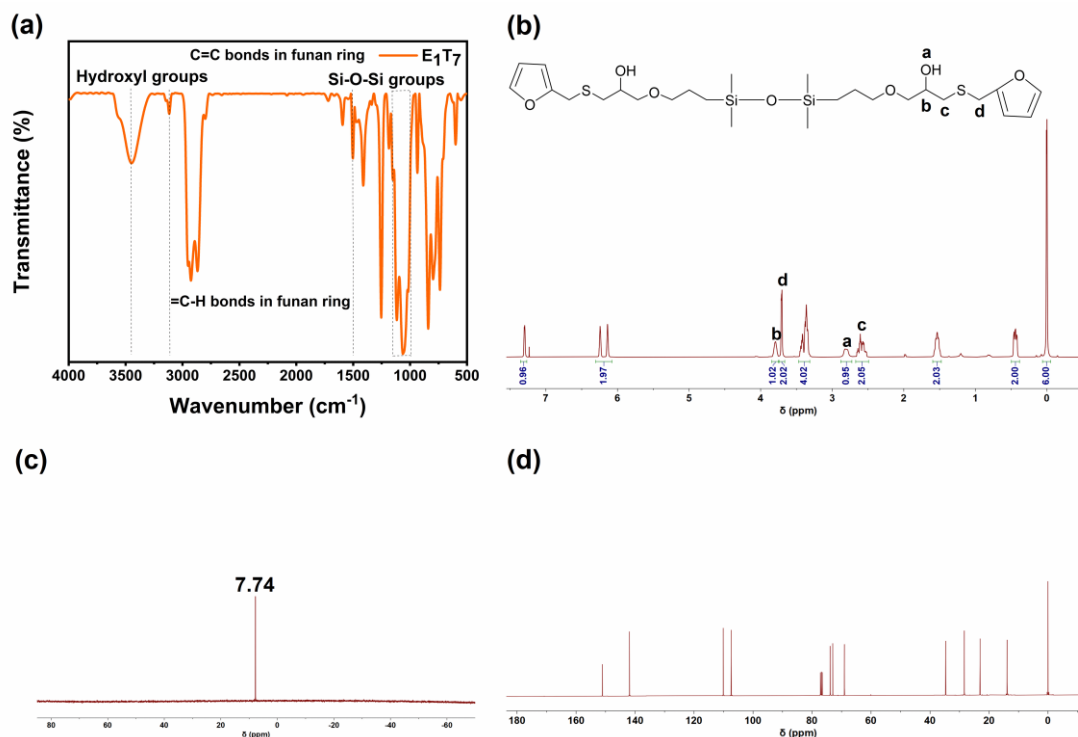


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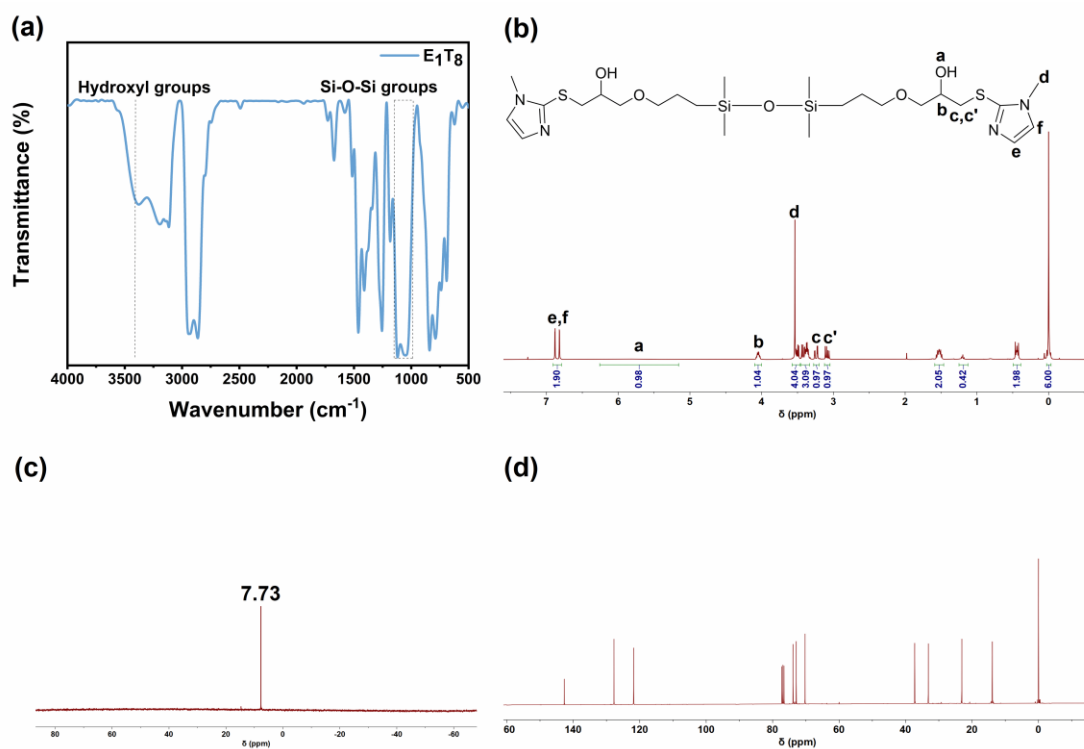


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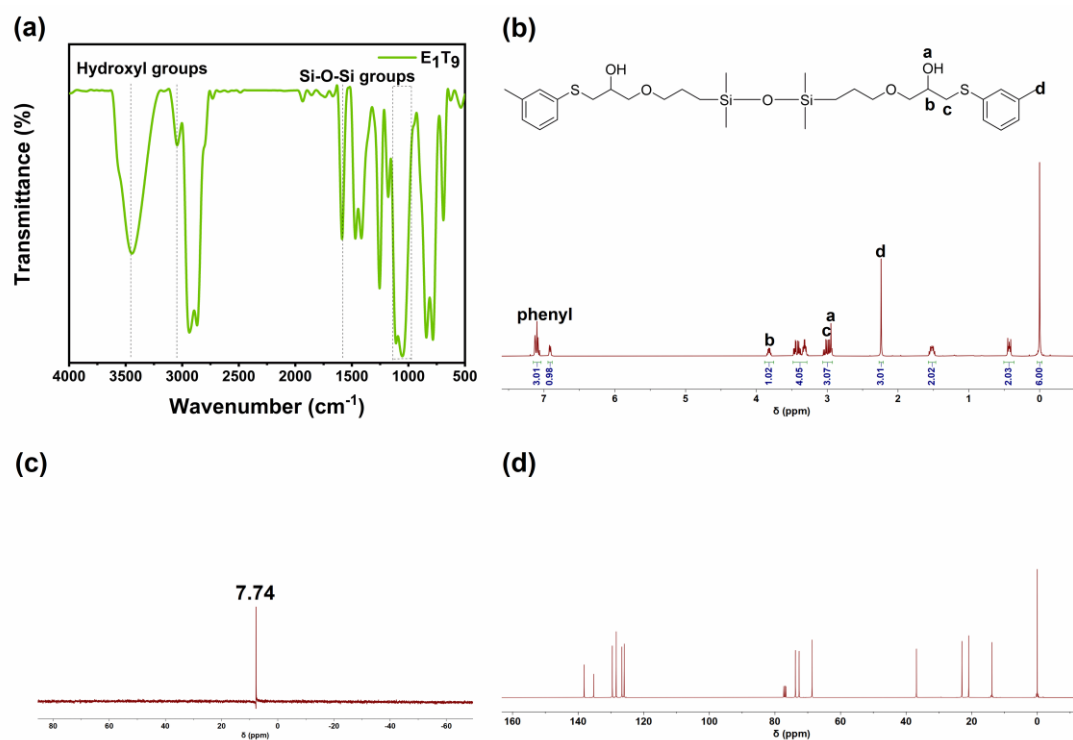


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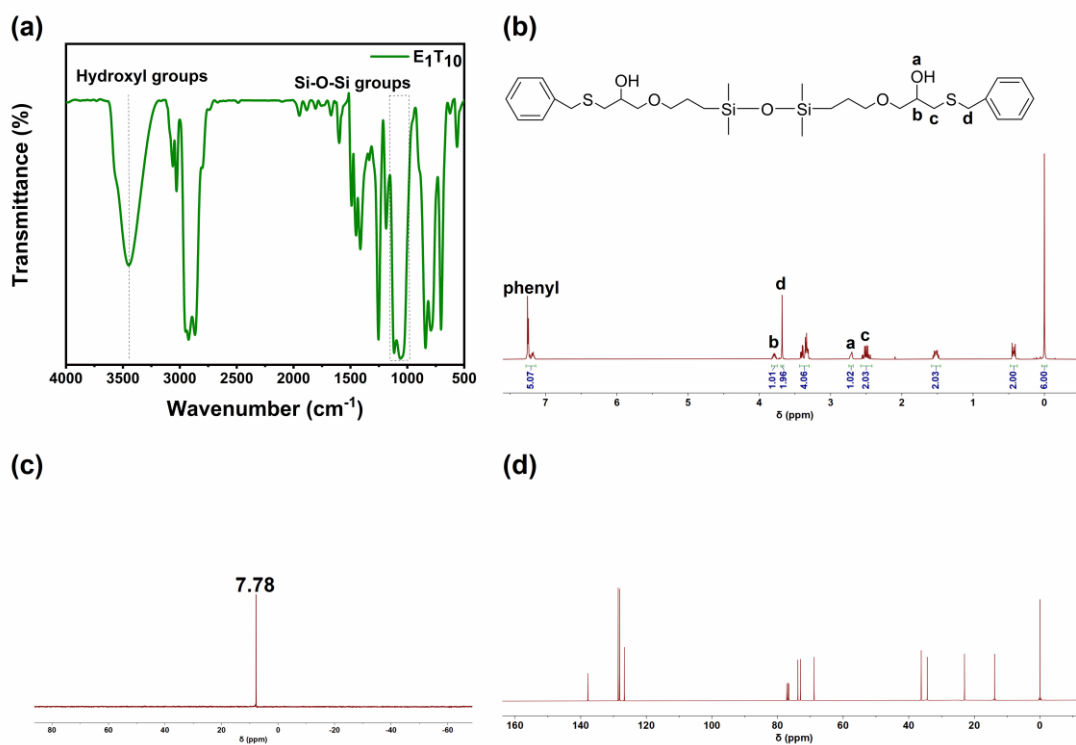


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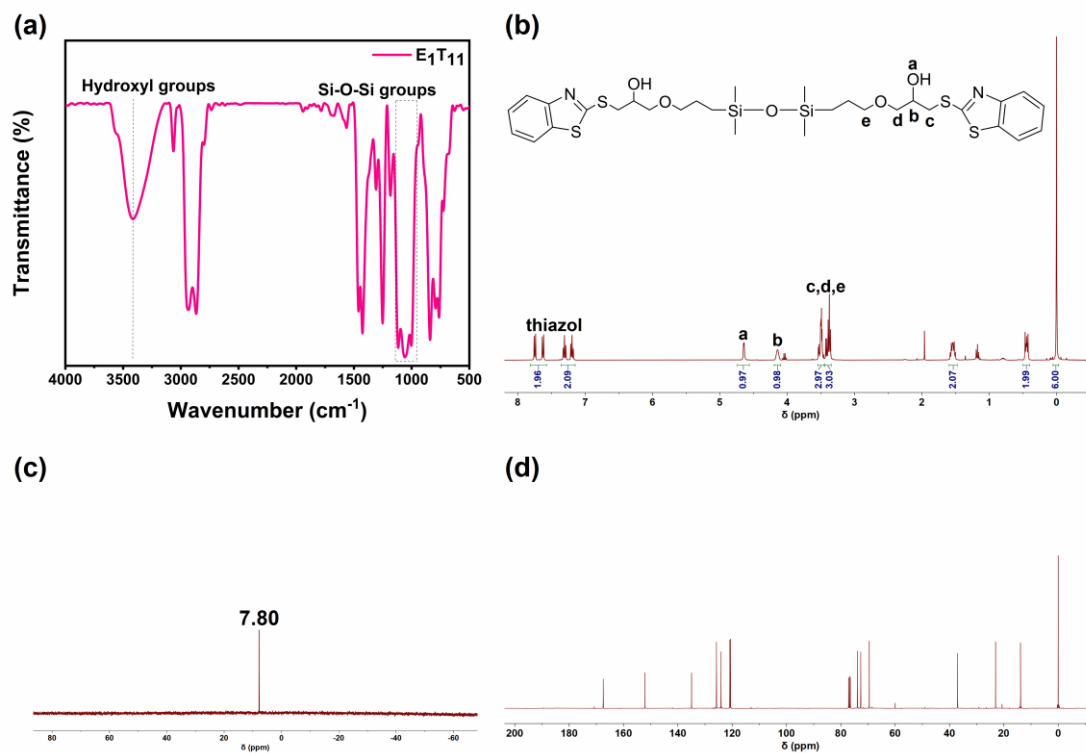


Figure S12. (a) FT-IR spectra of functionalized disiloxane E₁T₁₁; (b) ¹H NMR spectrum of E₁T₁₁; (c) ²⁹Si NMR spectrum of E₁T₁₁; (d) ¹³C NMR spectrum of E₁T₁₁.

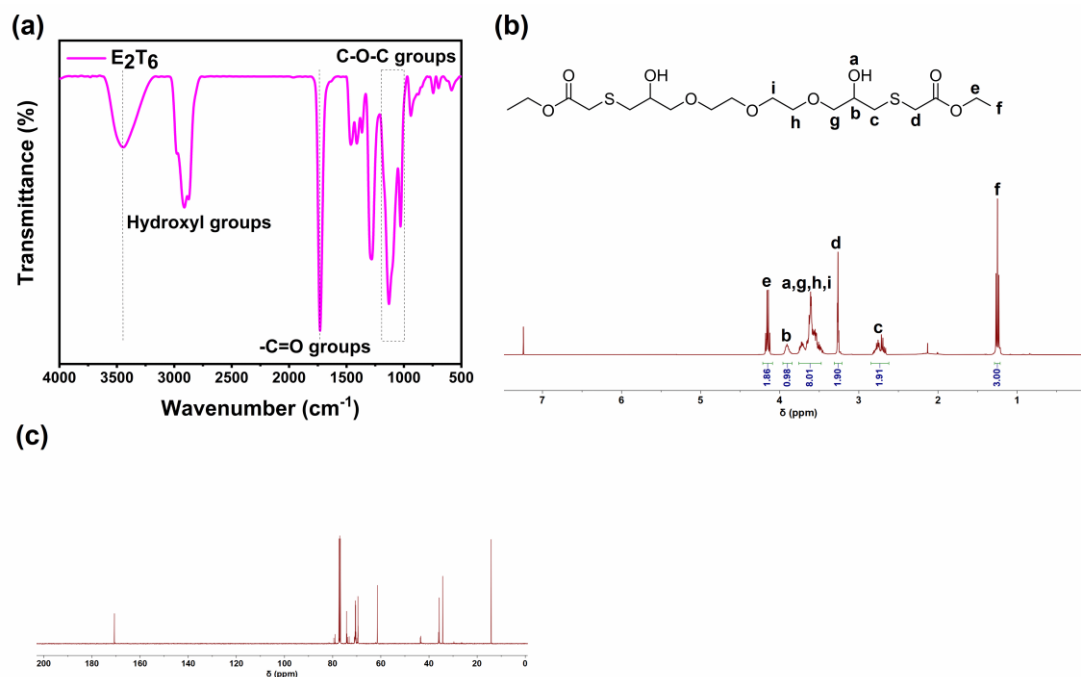


Figure S13. (a) FT-IR spectra of functionalized disiloxane E₂T₆; (b) ¹H NMR spectrum of E₂T₆; (c) ¹³C NMR spectrum of E₂T₆.

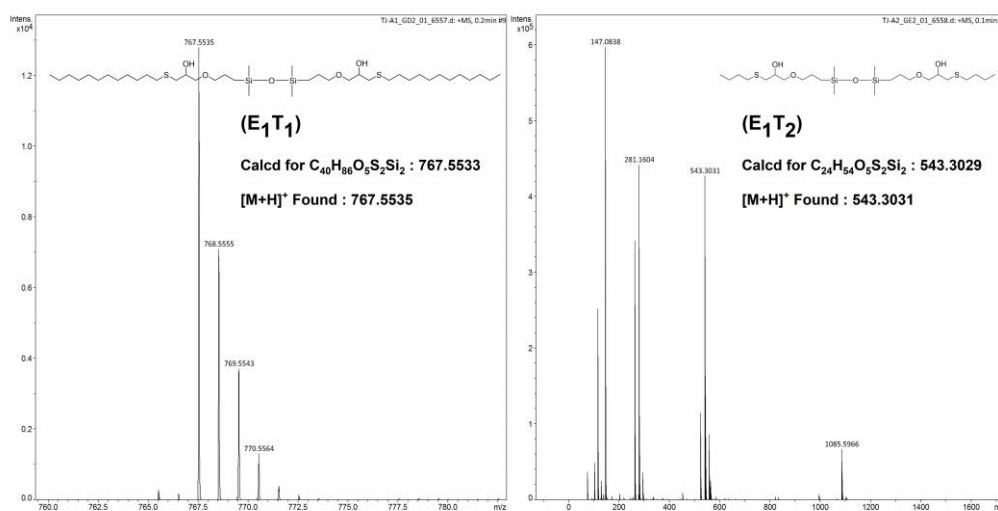


Figure S14. HR-MS spectra of functionalized disiloxane E₁T₁ and E₁T₂

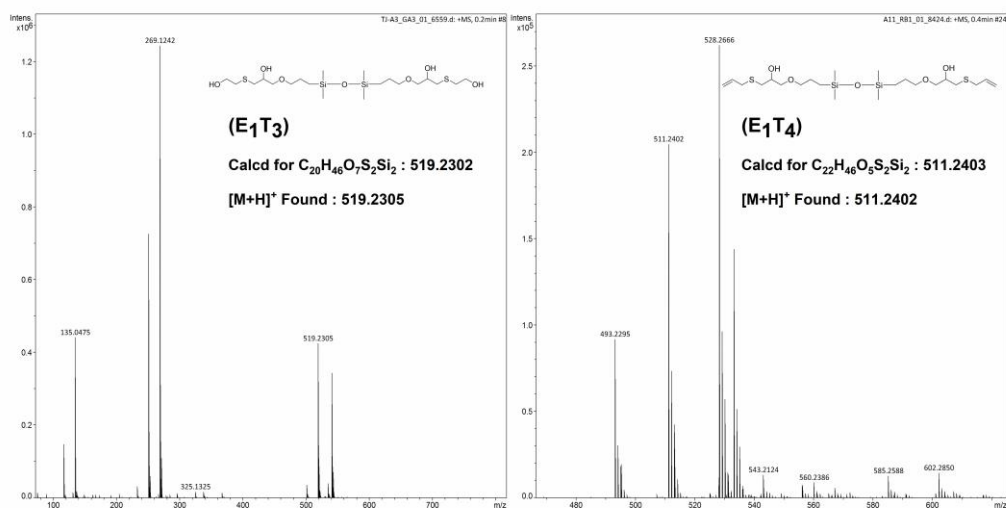


Figure S15. HR-MS spectra of functionalized disiloxane E₁T₃ and E₁T₄.

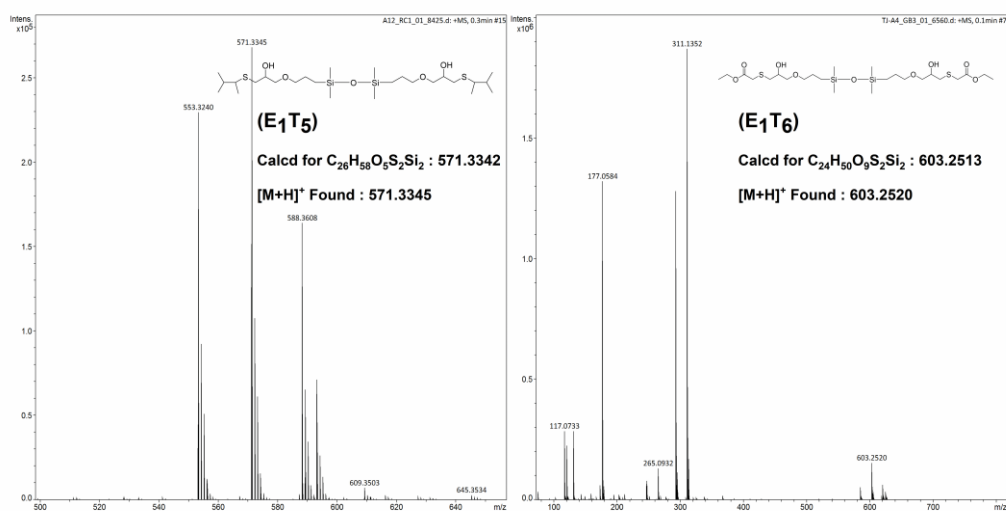


Figure S16. HR-MS spectra of functionalized disiloxane E₁T₅ and E₁T₆

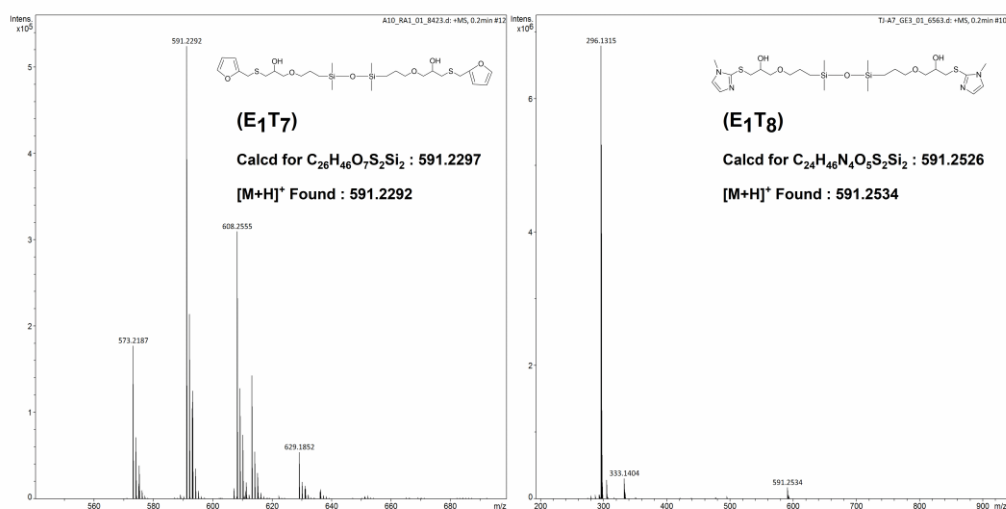


Figure S17. HR-MS spectra of functionalized disiloxane E₁T₇ and E₁T₈

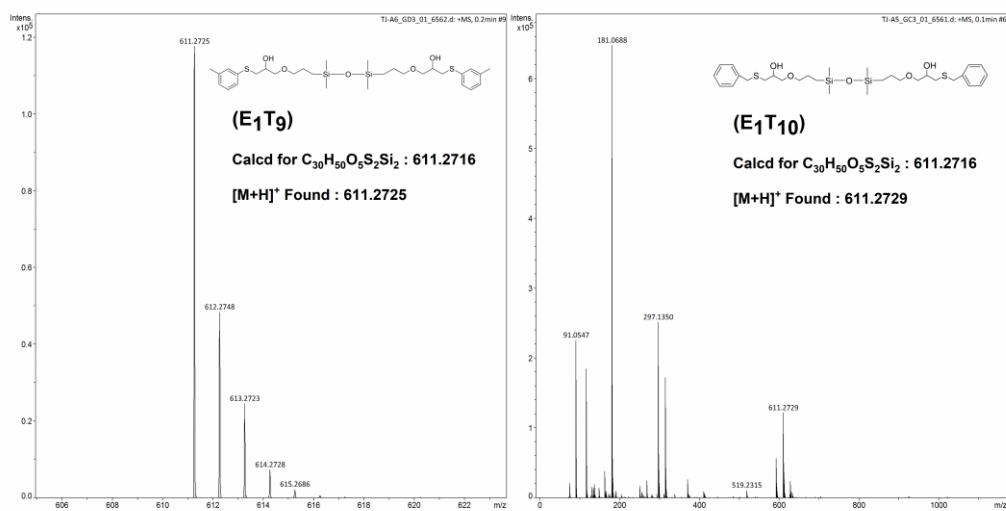


Figure S18. HR-MS spectra of functionalized disiloxane E₁T₉ and E₁T₁₀

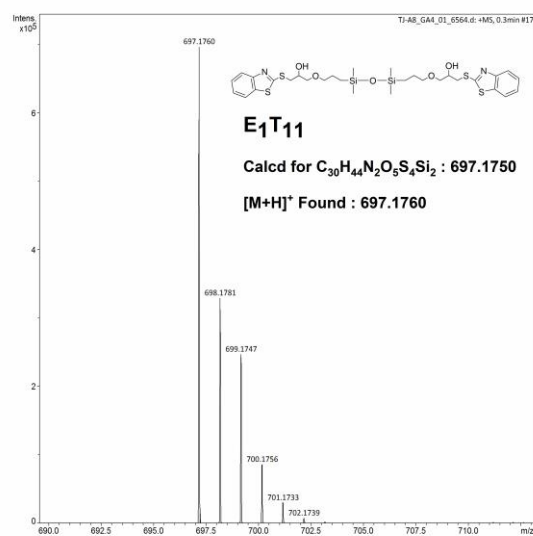


Figure S19. HR-MS spectra of functionalized disiloxane E₁T₁₁

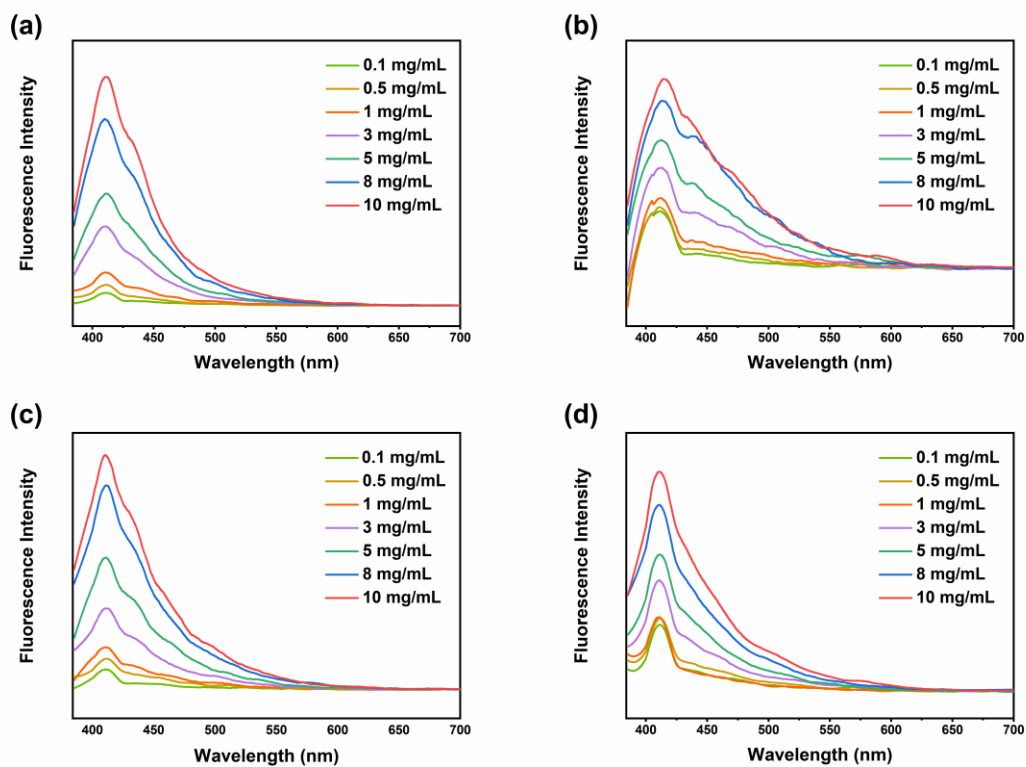


Figure S20. Fluorescence emission spectra of E₁T₁ (a), E₁T₂ (b), E₁T₃ (c), and E₁T₄ (d) with different concentration excited at 365 nm

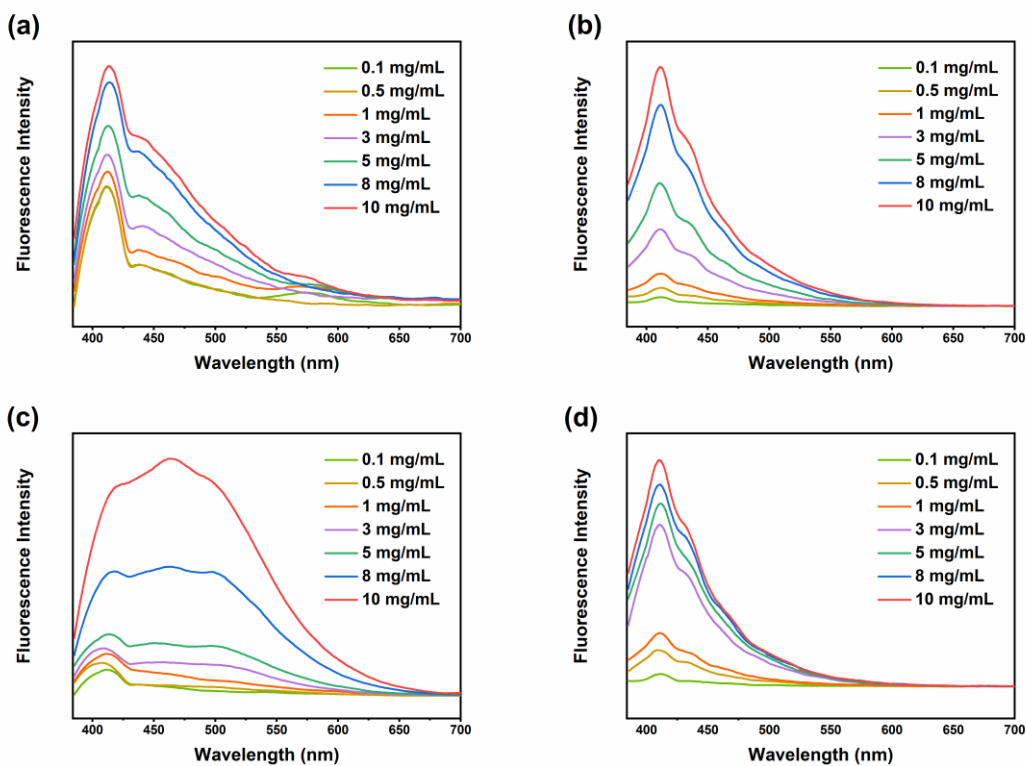


Figure S21. Fluorescence emission spectra of E₁T₅ (a), E₁T₆ (b), E₁T₇ (c), and E₁T₈ (d) with different concentration excited at 365 nm

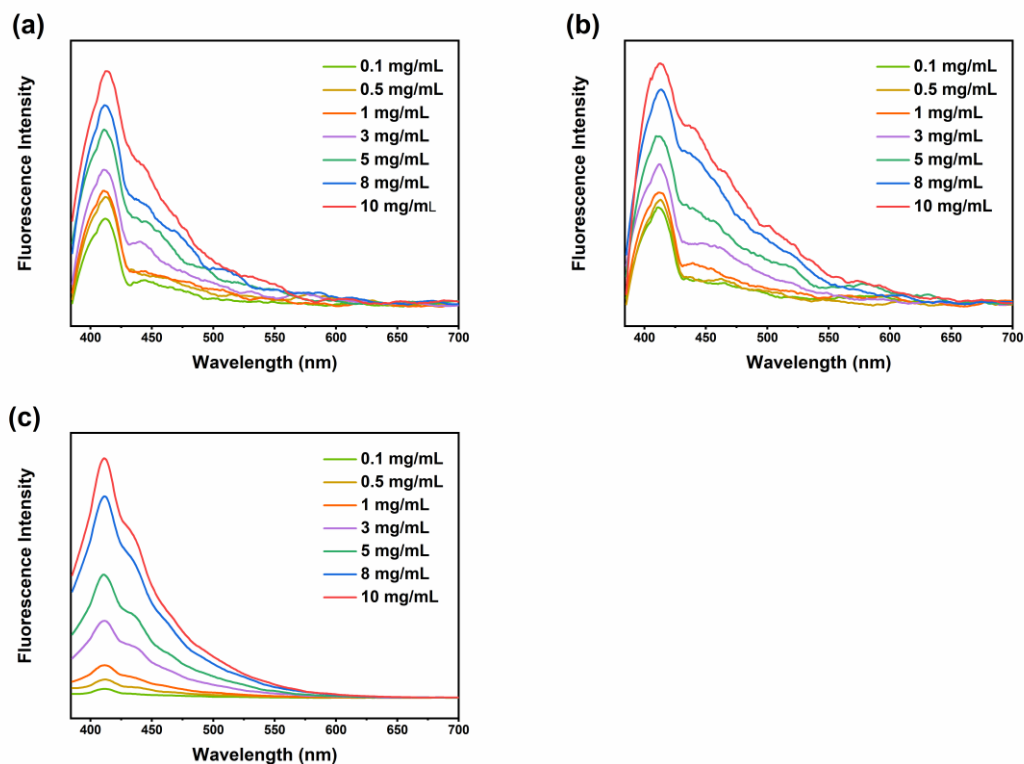


Figure S22. Fluorescence emission spectra of E_1T_9 (a), E_1T_{10} (b), and E_1T_{11} (c) with different concentration excited at 365 nm

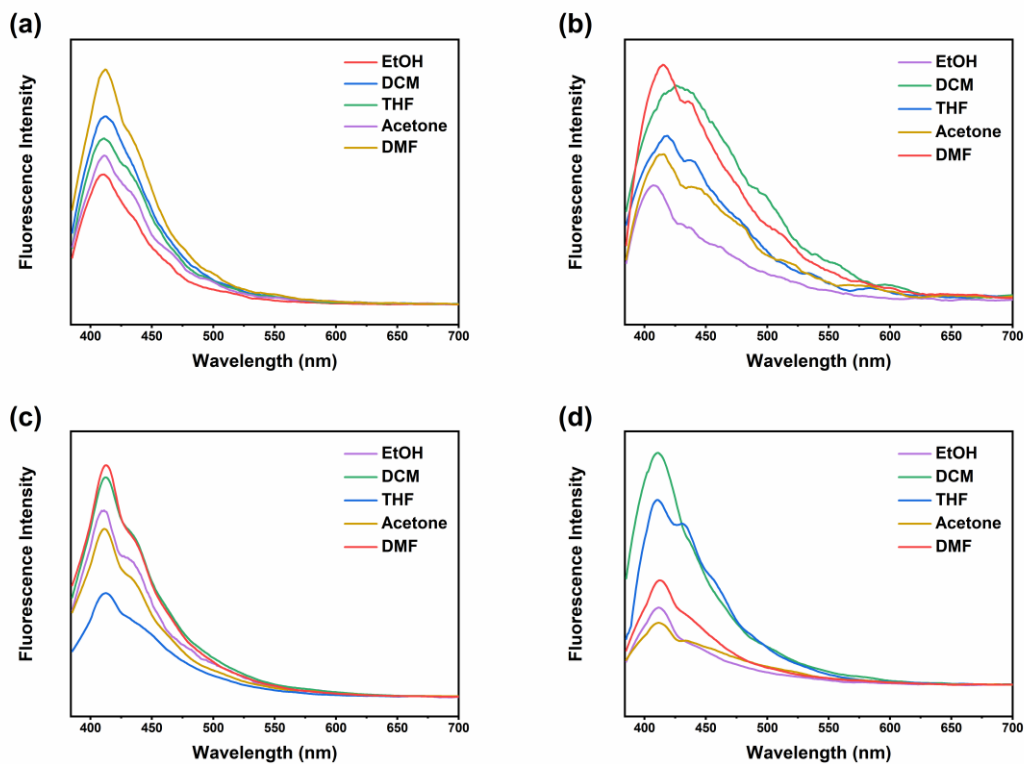


Figure S23. Fluorescence emission spectra of E_1T_1 (a), E_1T_2 (b), E_1T_3 (c), and E_1T_4 (d) in different solvents excited at 365 nm

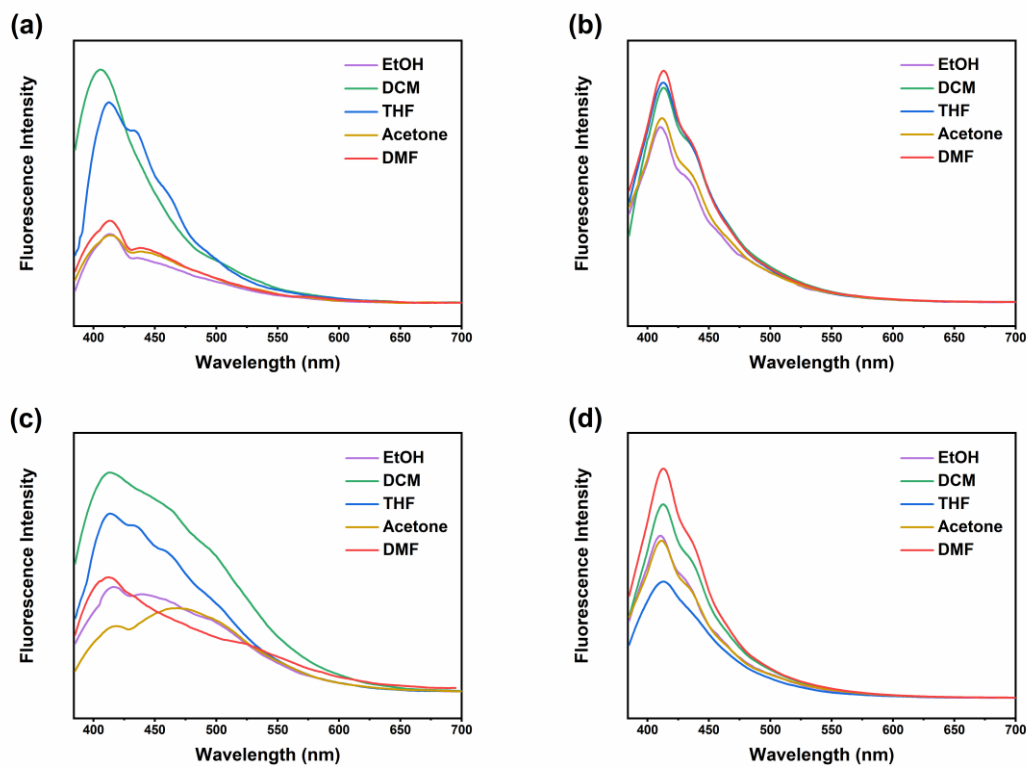


Figure S24. Fluorescence emission spectra of E_1T_5 (a), E_1T_6 (b), E_1T_7 (c), and E_1T_8 (d) in different solvents excited at 365 nm

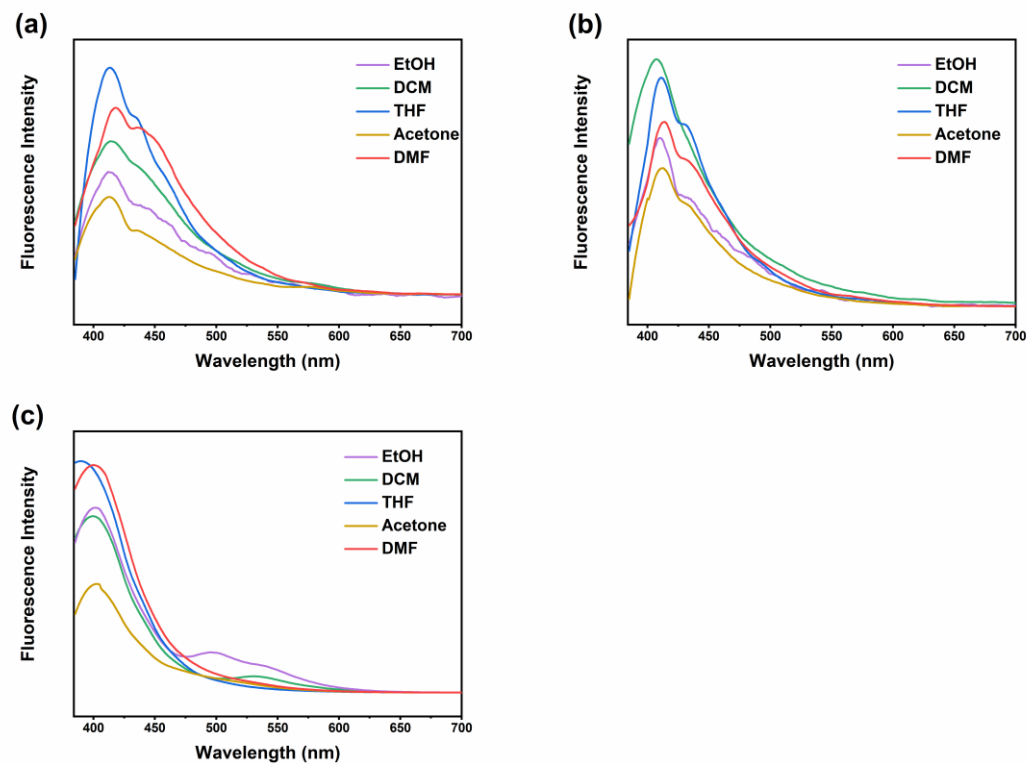


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