Supporting information

Biocompatible and Photostable Aggregation-Induced Emission Dots with Red Emission, Two-Photon Imaging Properties for Direct Long-term Cell Imaging

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Figure S1. ¹H NMR spectrum of compound 2.



Figure S2. ¹H NMR spectrum of compound 3.



Figure S3. ¹H NMR spectrum of compound 5.



Figure S4. ¹H NMR spectrum of compound 6.



Figure S5. ¹H NMR spectrum of compound 7.



Figure S6. ¹H NMR spectrum of compound 8.



Figure S7. ¹H NMR spectrum of compound 9 TPECOOH.



Figure S8. ¹³C NMR spectrum of compound 9 TPECOOH.



Figure S9. High resolution MS spectrum of compound 9 TPECOOH.



Figure S10. UV/Vis absorption spectrum of TPECOOH in THF.



Figure S11. The optical image and fluorescence of Cells when cultured with the compound **8 TPECOOCH₃**. Scale bar: 200 µm.