

## Synthesis of a new photosensitizer for laser-mediated photodynamic therapy to kill cancer cells in gliomas

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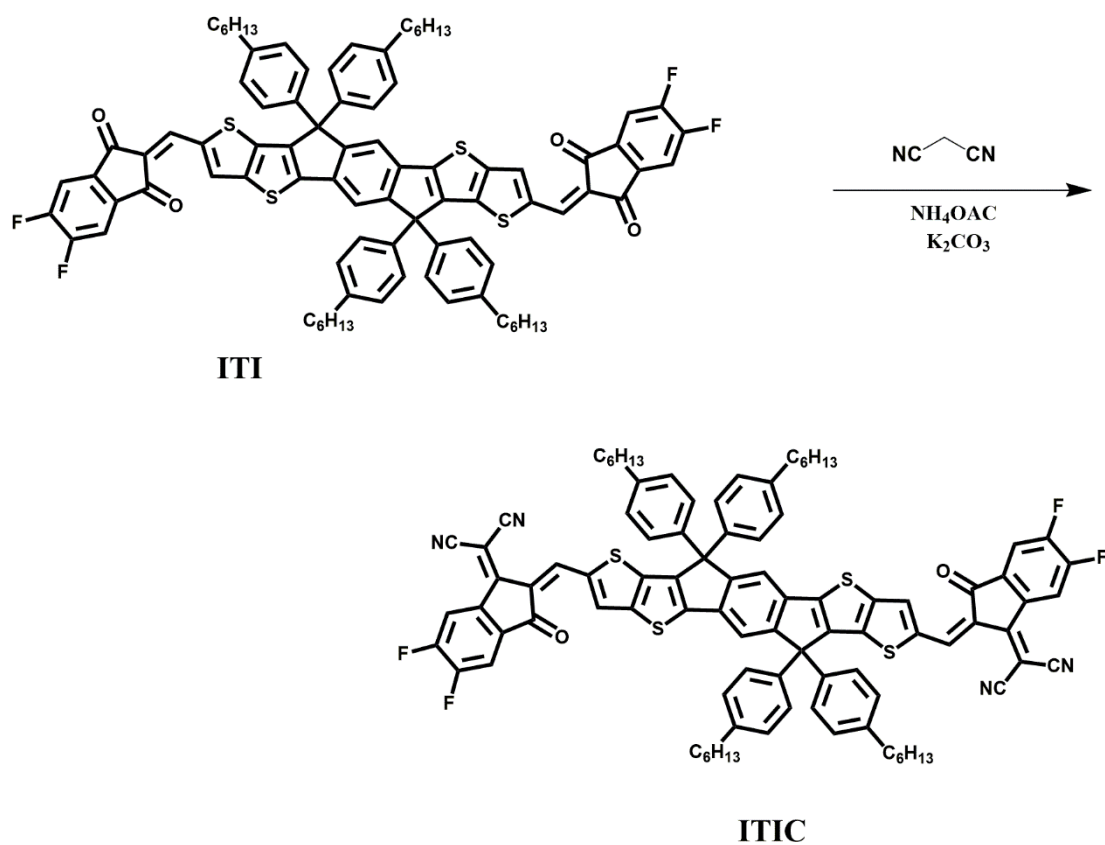


Fig. S1 Synthetic route of ITIC.

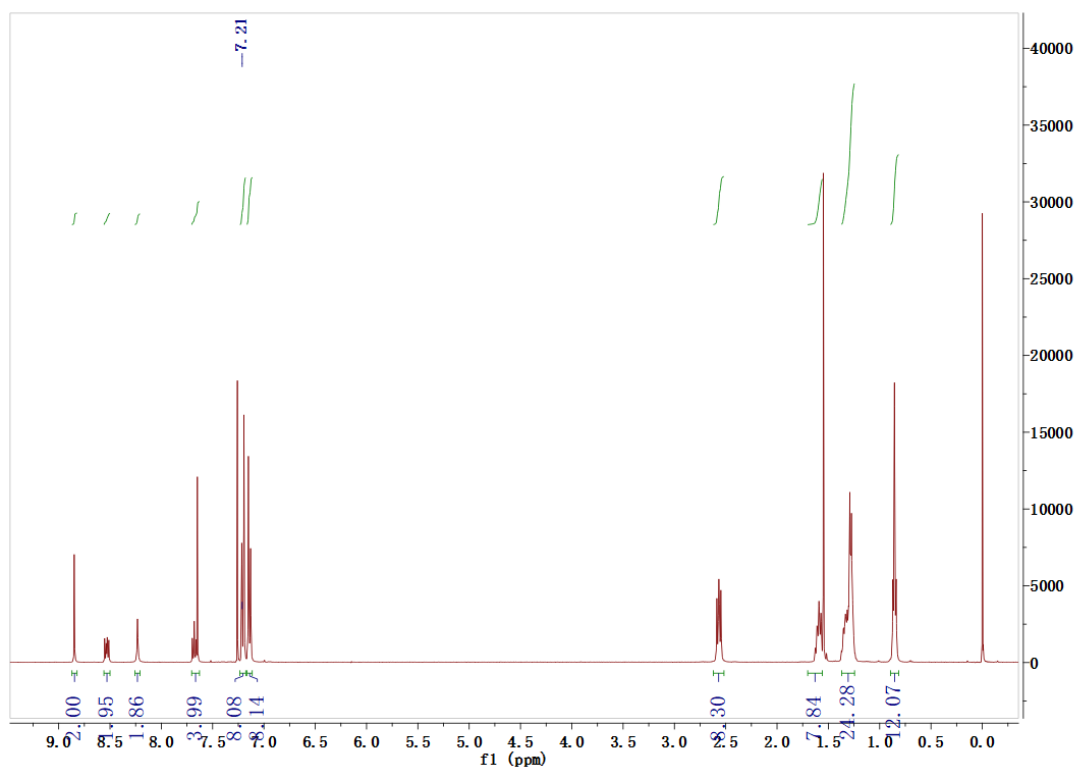


Fig. S2  $^1\text{H}$ NMR of ITIC in  $\text{CDCl}_3$  (400 Hz).

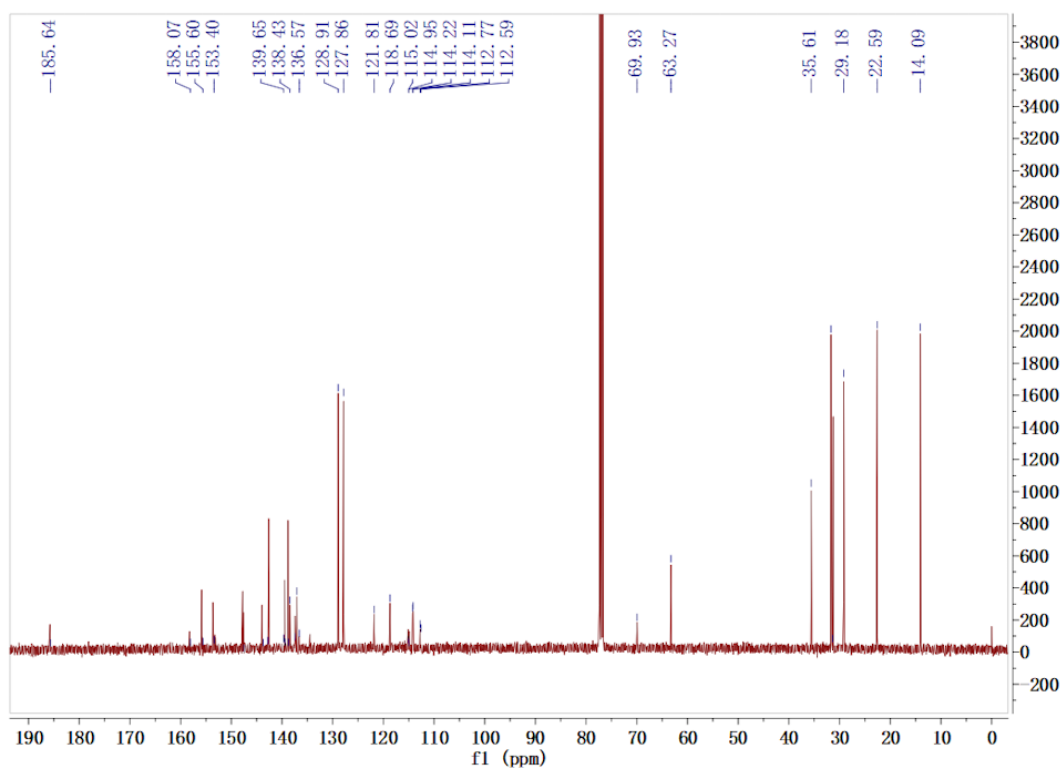


Fig. S3  $^{13}\text{C}$ NMR of ITIC in  $\text{CDCl}_3$  (400 Hz).

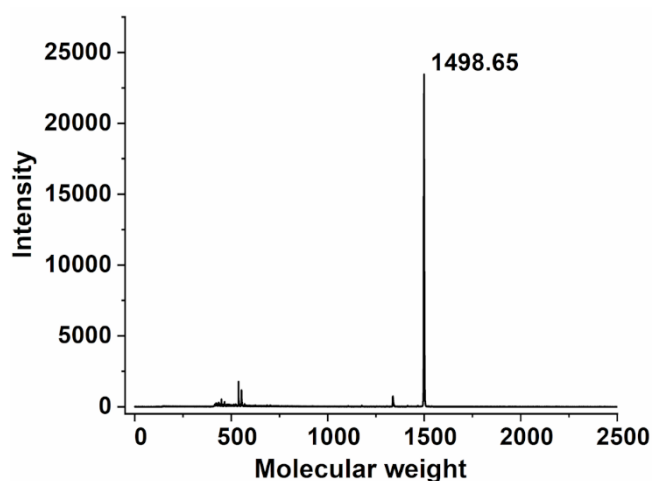


Fig. S4 Maldi-tof of ITIC.

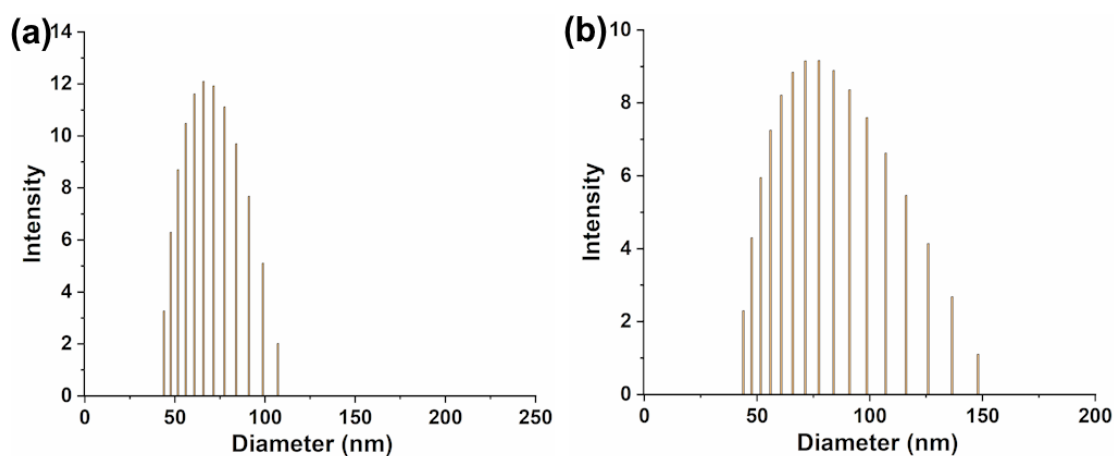


Fig. S5 DLS of ITIC NPs in (a) DMEM and (b) PBS.

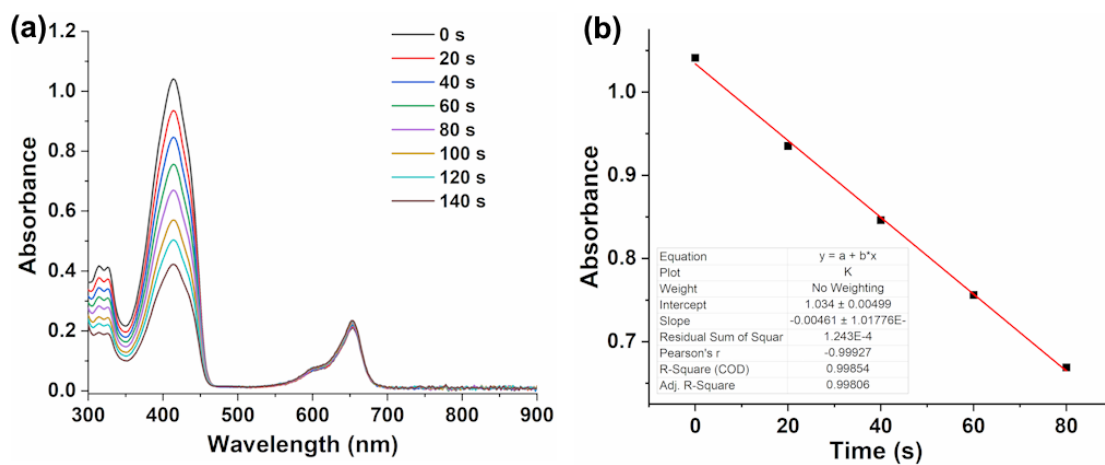


Fig. S6 (a) Degradation of methylene blue with irradiation. (b) Linear fitting of absorbance and irradiation time.