Supporting Information

Diketopyrrolopyrrole-Based Carbon Dots for Photodynamic Therapy

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Fig. S1. ¹H-NMR of DPP in DMSO-d₆.



Fig. S2. Particle size and PDI of the DPP CDs nanoparticles in PBS (pH 7.4)

with/without 10% FBS for different time periods determined by DLS.



Fig. S3. Fluorescence spectra of DPP CDs and CTS CDs.



Fig. S4. Normalized absorbance of DPP and DPP CDs after different time of irradiation (540 nm, 15 mW/cm²). Experiments were done on a UV-vis spectrometer.



Fig. S5. Absorption changes of CTS CDs under 540 nm laser irradiation (15

 mW/cm^2).



Fig. S6. The half maximal inhibitory concentration (IC50) values for DPP CDs and

CTS CDs against HepG2 cell lines by MTT assay.