

Supporting information

Synthesis of a new photosensitizer for photodynamic and photothermal synergistic cancer therapy

Jun Deng^{a*}, Xiaohua Xia^a, Hua Yuan^a, Zhiqiang Chen^b, Xin Jiang^b, Dengfeng Zou^{b*}, Qiang Wang^{a*}

a. Department of Emergency Surgery, Kunshan Hospital Affiliated to Jiangsu University Kunshan, 215300, Jiangsu, P.R. China. Email: yaya850830@126.com, wq.516@163.com.

b. School of Pharmacy, Guilin Medical University, Guilin, 541004, Guangxi, P.R. China. Email: zdf1226@126.com.

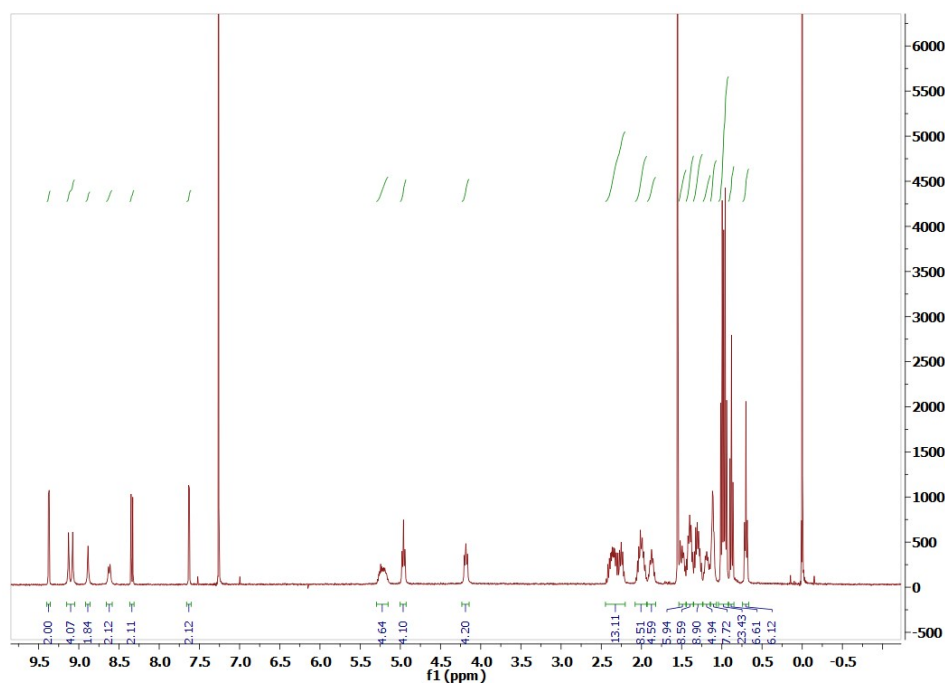


Fig. S1 ¹H NMR of PDIDPP in CDCl₃.

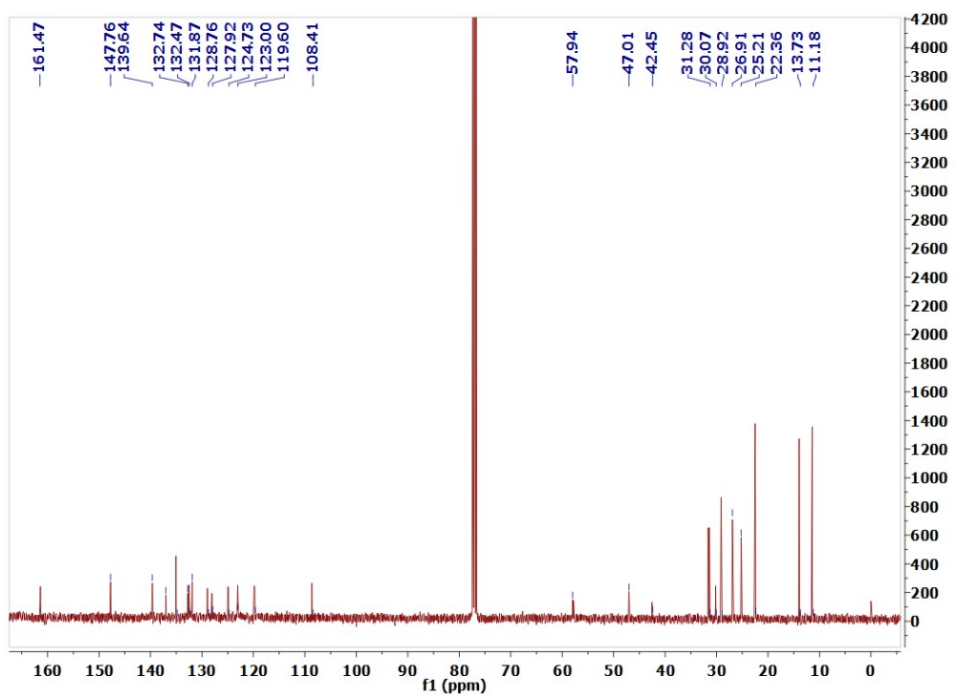


Fig. S2 ^{13}C NMR of PDIDPP in CDCl_3 .

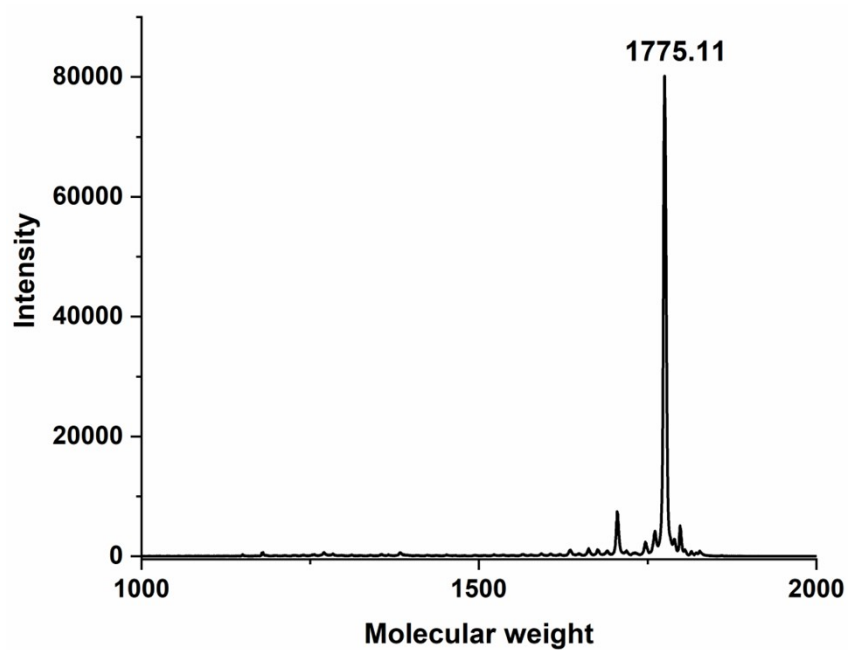


Fig. S3 Maldi-tof of PDIDPP.

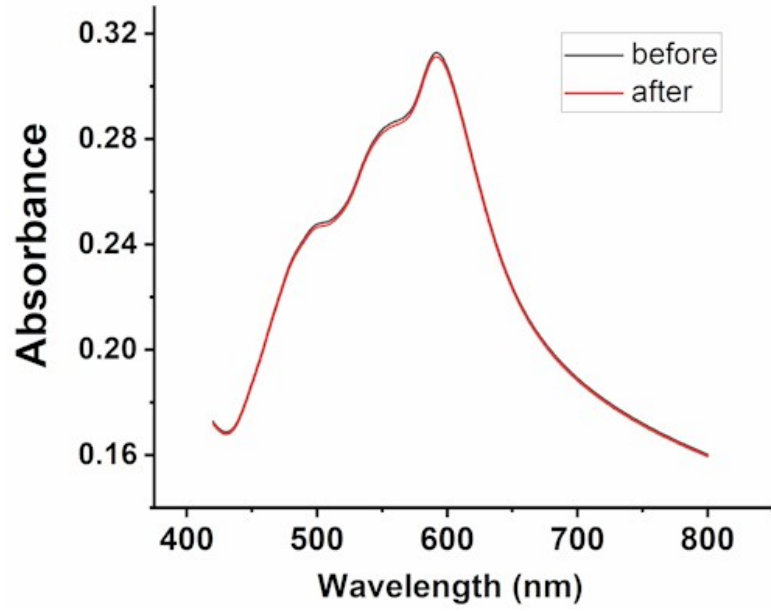


Fig. S4 The absorbance spectra of PDIDPP NPs before and after irradiation.

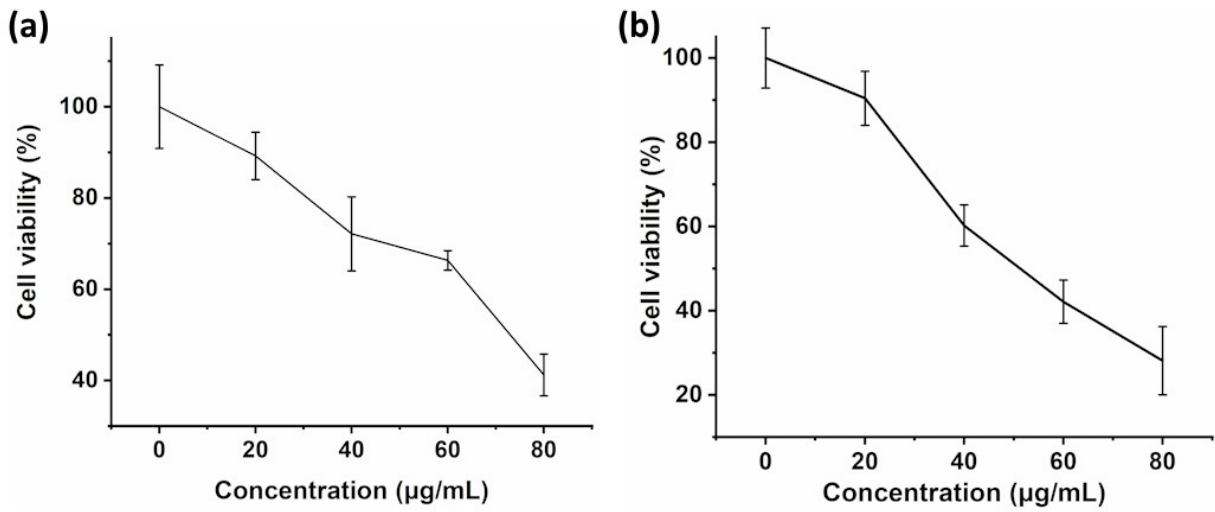


Fig.S5 MTT assay of PDIDPP NPs on U87MG cells. (a) PDT only group using 37°C water bath maintain a suitable temperature. (b) PTT only with GSH as the ROS scavenger (laser power 500 mW/cm².)

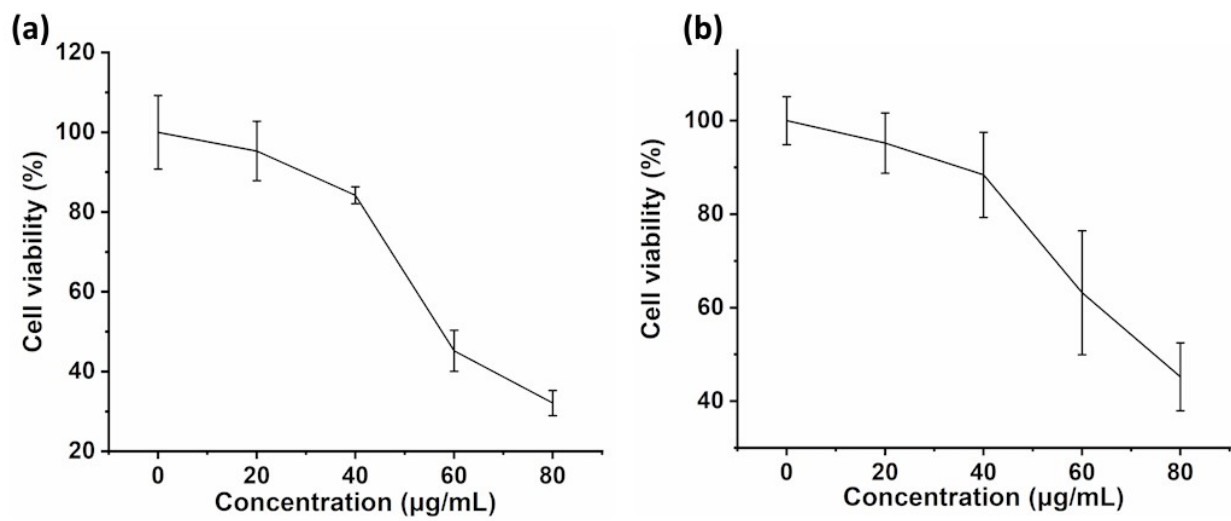


Fig.S6 MTT assay of PDIDPP NPs on HCT-116 cells. (a) PDT only group using 37°C water bath maintain a suitable temperature. (b) PTT only with GSH as the ROS scavenger (laser power 500 mW/cm².)