Supporting Information for *Polymer Chemistry*

Novel Phthalocyanine and PEG-methacrylates based Temperature-responsive Polymers for Targeted Photodynamic Therapy

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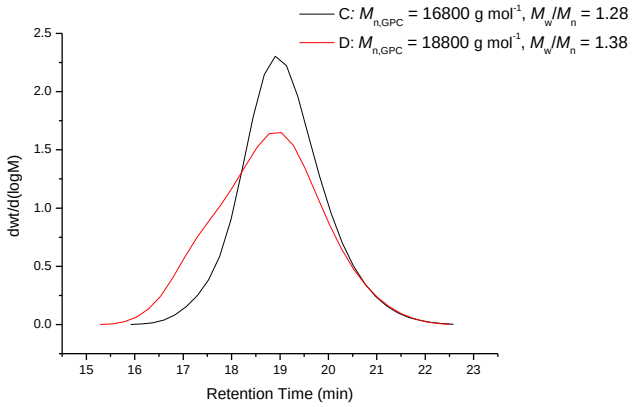

Fig. S1 GPC chromatograms of polymer C and D.

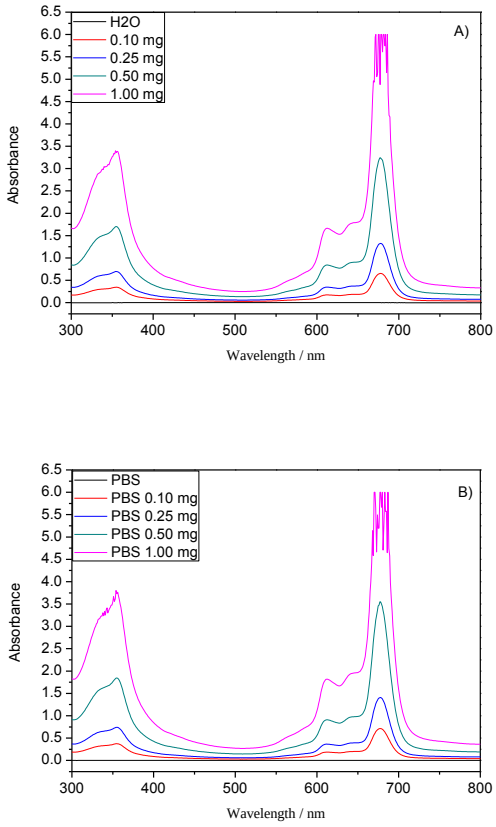

Fig. S2 UV-Vis spectra of SiPc-polymer D at different concentration: A) SiPc-polymer D in aqueous solutions; B) SiPc-polymer D in PBS (PH=7.4).

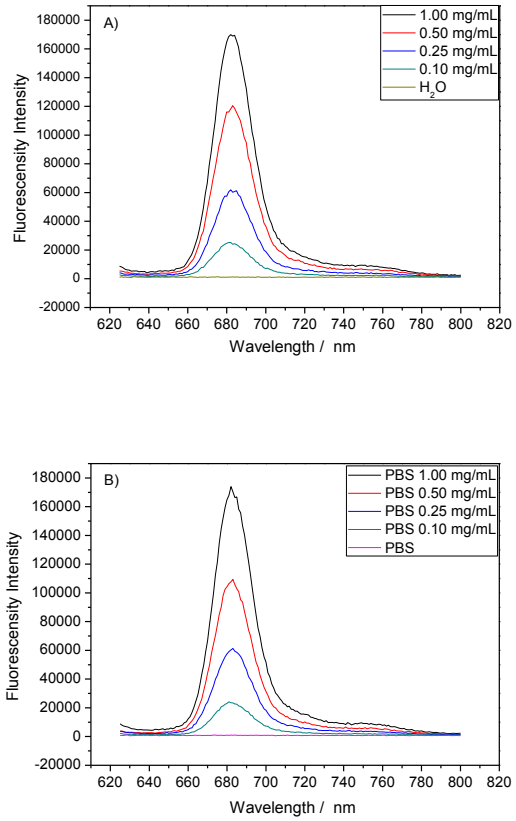

Fig. S3 Fluorescence spectra of SiPc-polymer D at different concentrations: A) SiPc-polymer D in aqueous solutions; B) SiPc-polymer D in PBS (PH=7.4). ex=610 nm

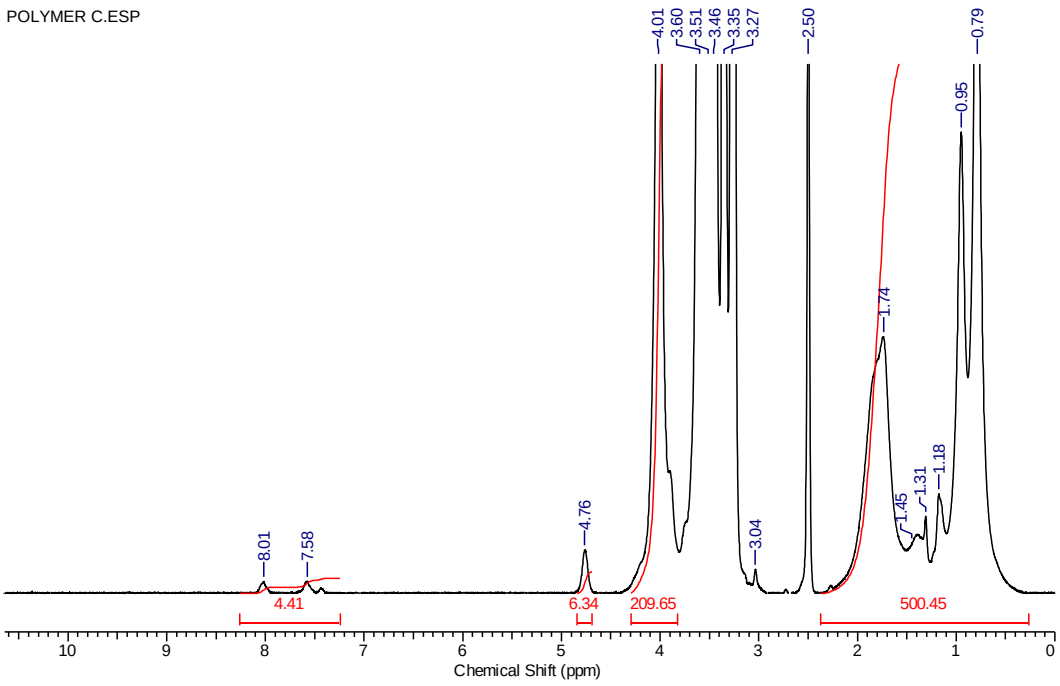

Fig. S4 NMR spectrum of polymer C in DMSO-d6

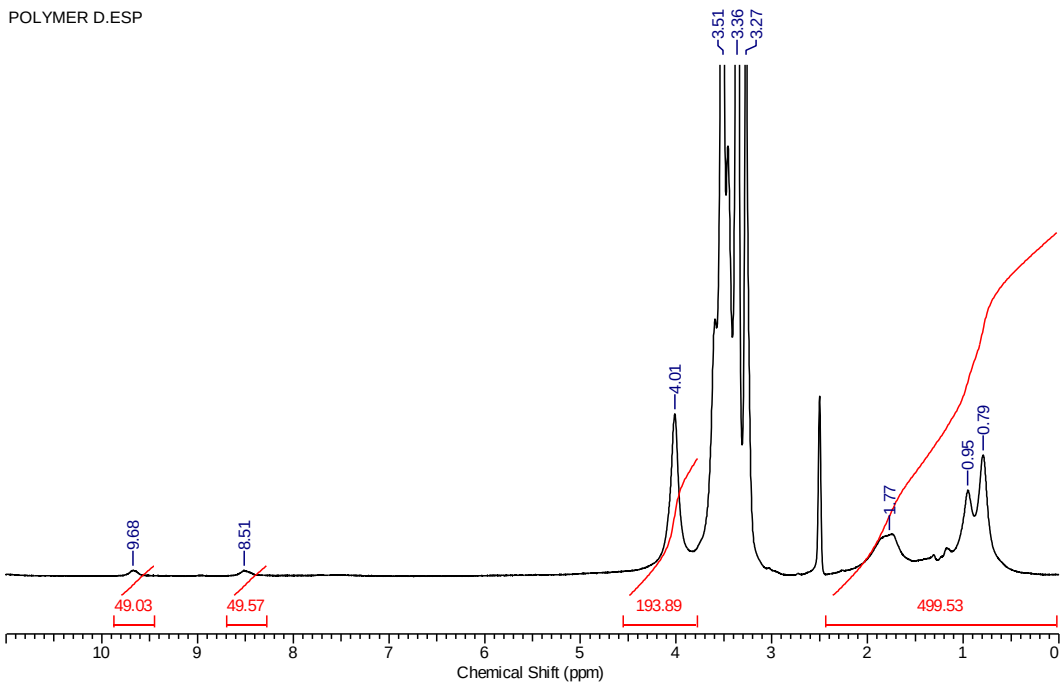

Fig. S5 NMR spectrum of polymer D in DMSO-d6

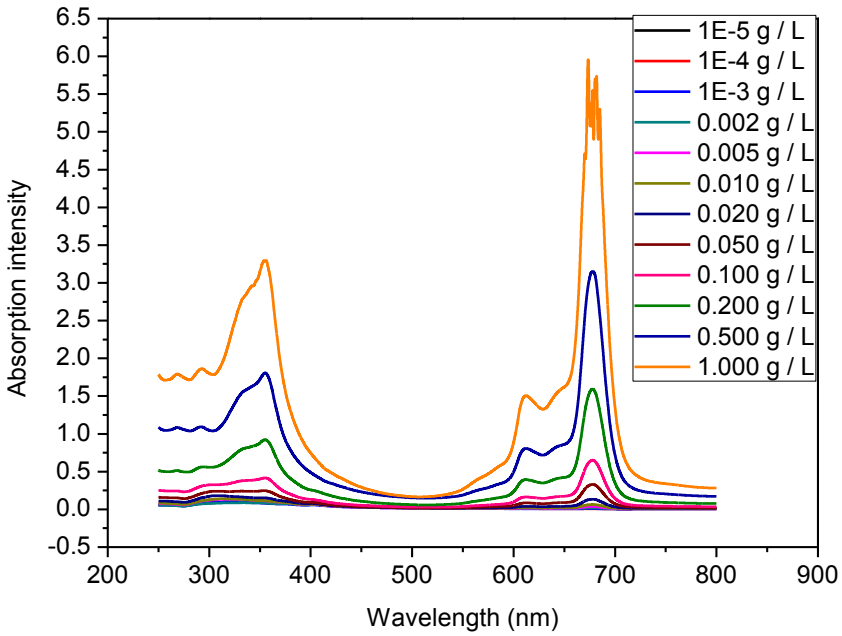

Fig. S6 Absorbance versus wavelength as UV-Vis spectra of aqueous solutions of SiPc-polymer D which contain the hydrophobic dye (DPH). DPH concentration was fixed at 4 µM with varied polymer concentrations