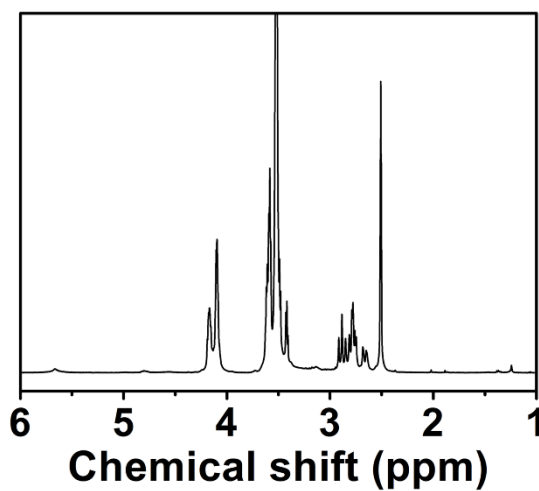


## Supplementary Materials

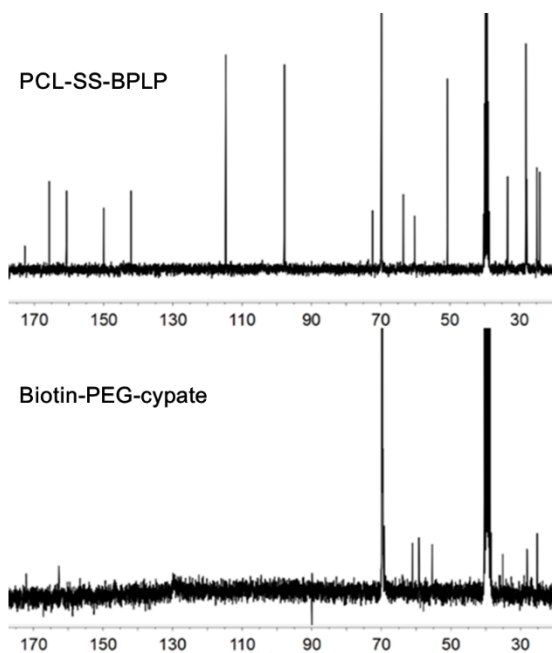
### Biodegradable Micelles for NIR/GSH-Triggered Chemophototherapy of Cancer

**Table S1.** Elemental analysis and gel permeation chromatography (GPC) of PCL-SS-BPLP and biotin-PEG-cypate.

	Elemental analysis				GPC		
	C	H	N	S	M <sub>n</sub>	M <sub>w</sub>	PDI
PCL-SS-BPLP	2.5%	54.9%	6.9%	5.6%	9135	13428	1.47
Biotin-PEG-cypate	4.8%	54.8%	7.7%	0.9%	2576	3307	1.28



**Figure S1.** <sup>1</sup>H NMR spectrum of BPLP in D<sub>2</sub>O.



**Figure S2.** <sup>13</sup>C NMR spectrum of PCL-SS-BPLP and biotin-PEG-cypate in DMSO-d<sub>6</sub>.

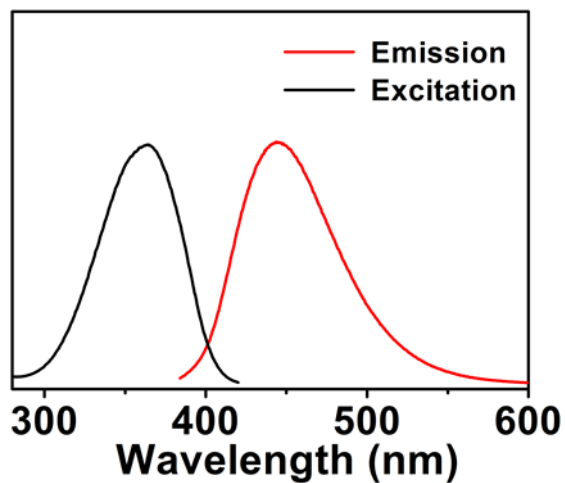


Figure S3. Emission and excitation spectra of PCL-SS-BPLP.

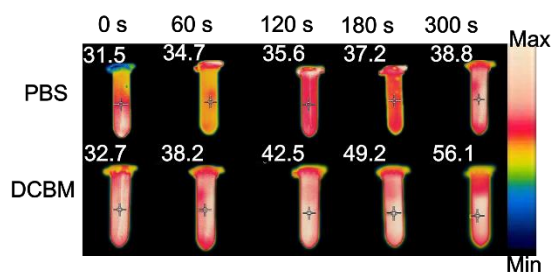


Figure S4. The surface photothermal performance of DCBMs.

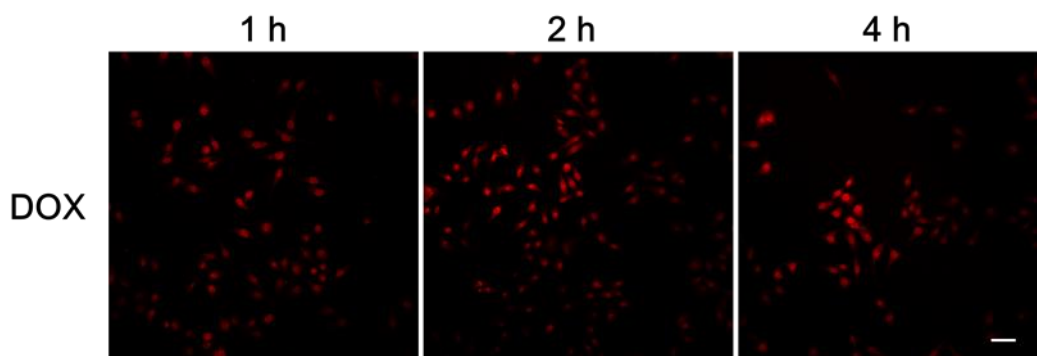


Figure S5. Confocal image of HepG2. The red fluorescence is from DOX. Scale bars = 50  $\mu\text{m}$ .

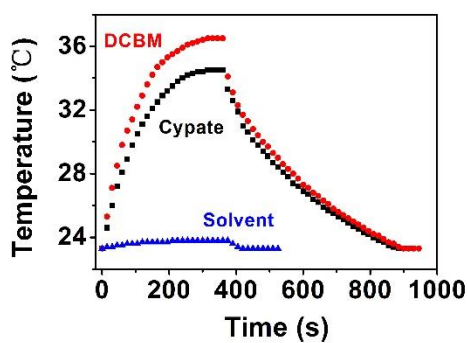


Figure S6. Photothermal heating and cooling curves of the DCBMs, free cypate, and solvent (water/ethanol = 9:1) under NIR laser irradiation, followed by switching off the laser.