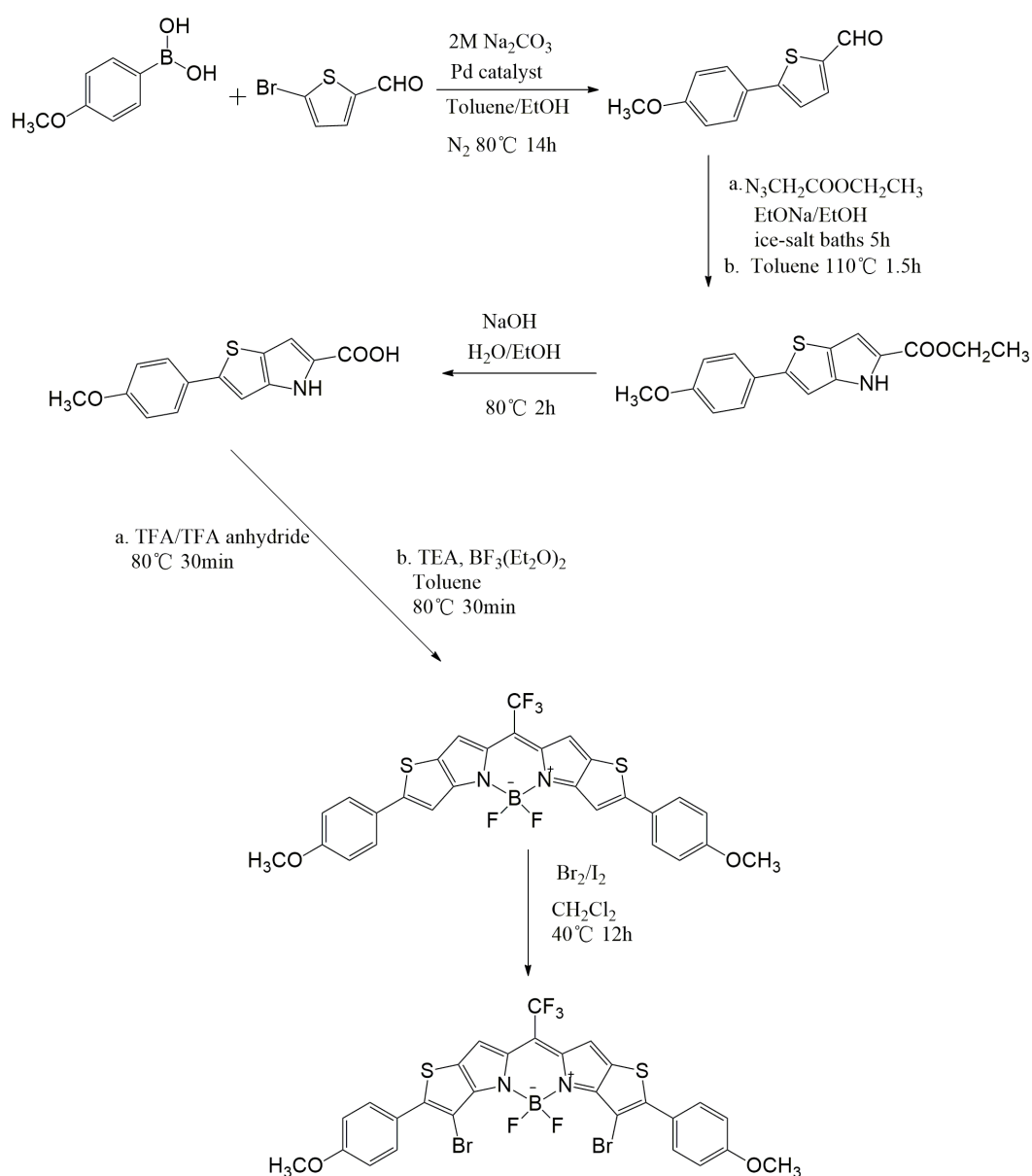


Supporting information for:

Oxygen Self-Sufficient Amphiphilic Polypeptide Nanoparticles
Encapsulating BODIPY for Potential Near Infrared Imaging-guided
Photodynamic Therapy at Low Energy

Le Liu ^a, Zheng Ruan ^a, Pan Yuan ^a, Tuanwei Li ^a and Lifeng Yan ^{*, a}



Scheme S1. Synthesis of BODIPY.

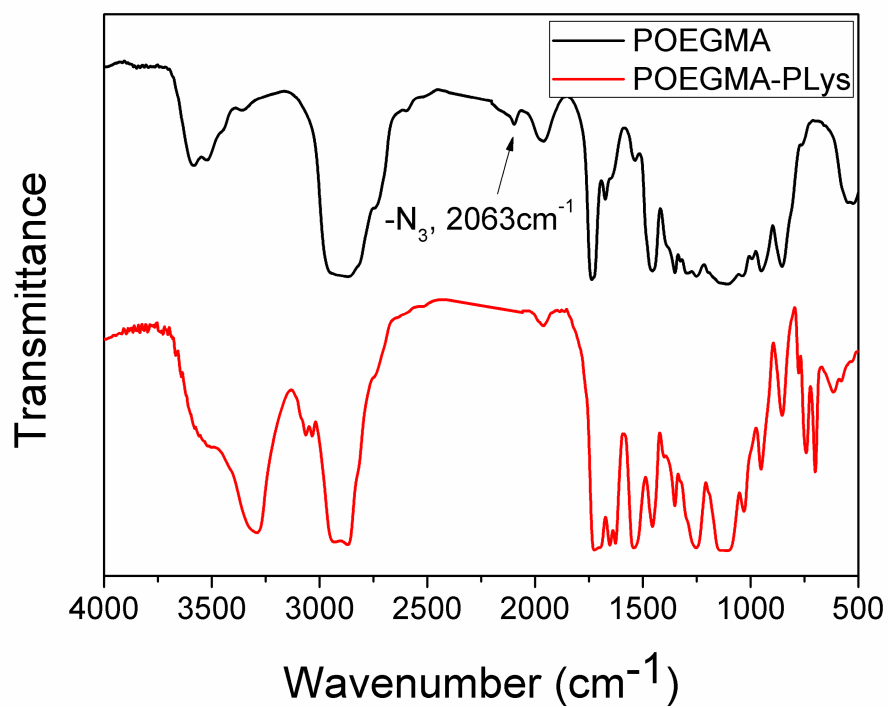


Figure S1. FT-IR spectra of POEGMA₃₀ and POEGMA₃₀-PLys₁₀.

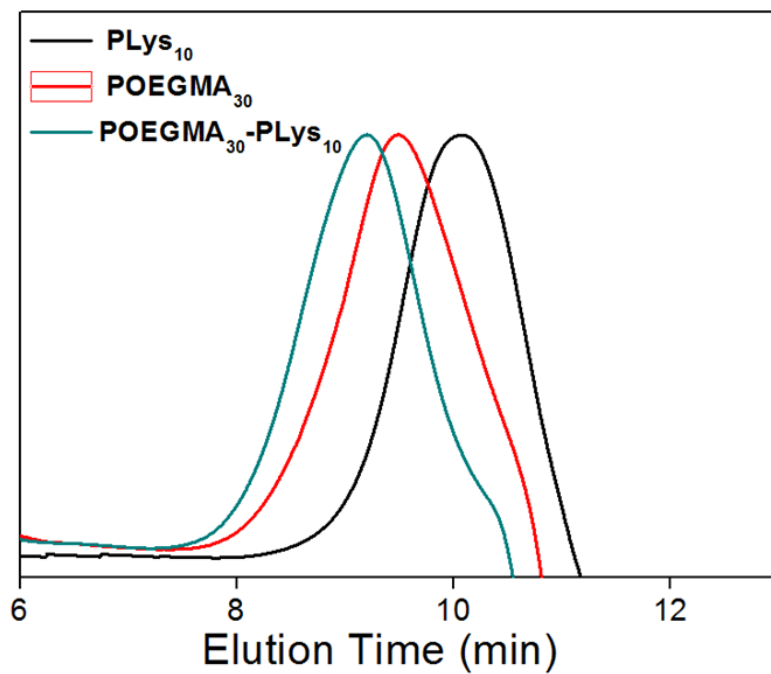


Figure S2. GPC traces of as-prepared polymers.

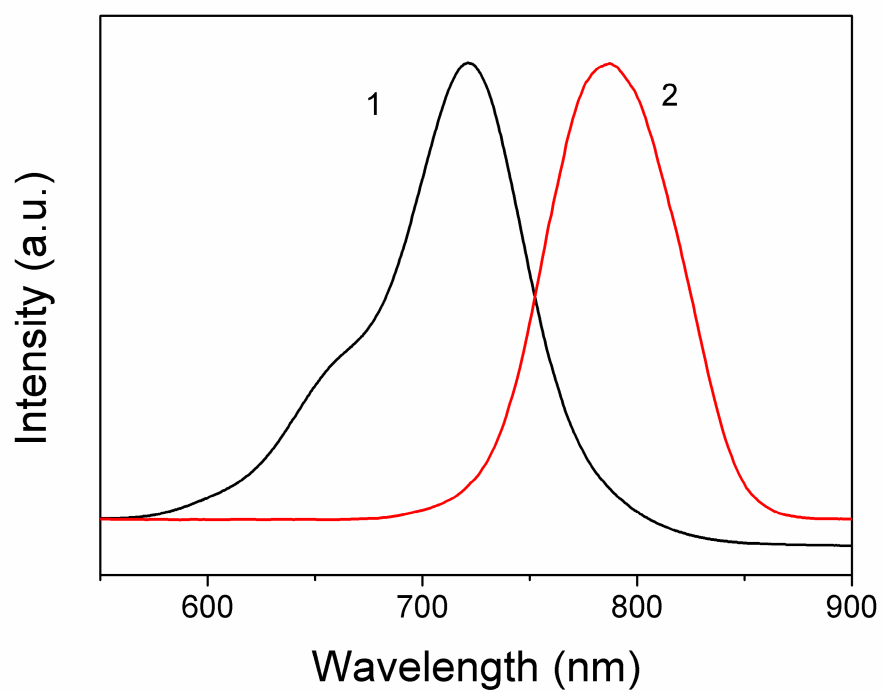


Figure S3. UV-vis absorption (a) and fluorescence emission (b) spectra of BODIPY.

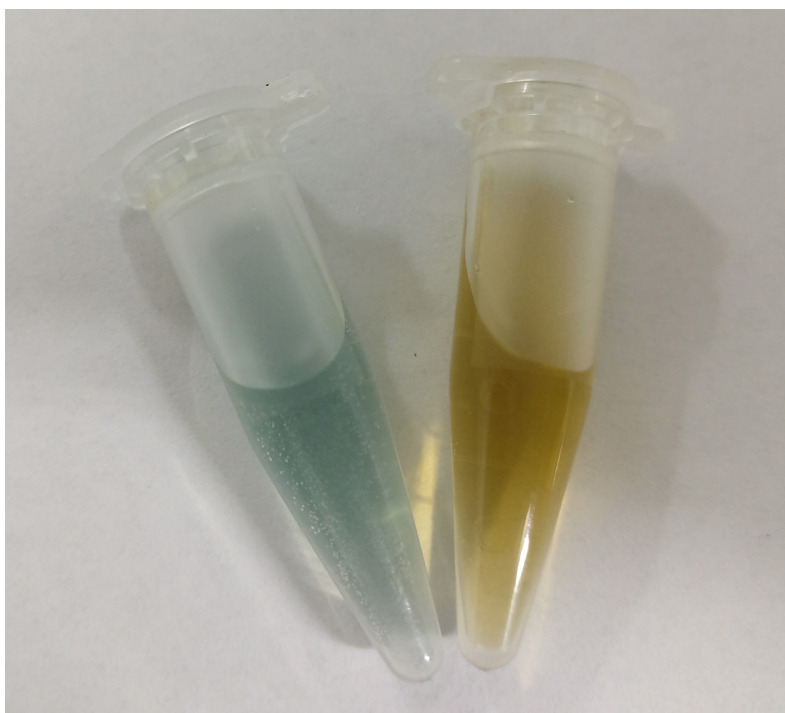


Figure S4. Photo images of PMB solution with O₂ bubbles after H₂O₂ added (250 μ M).

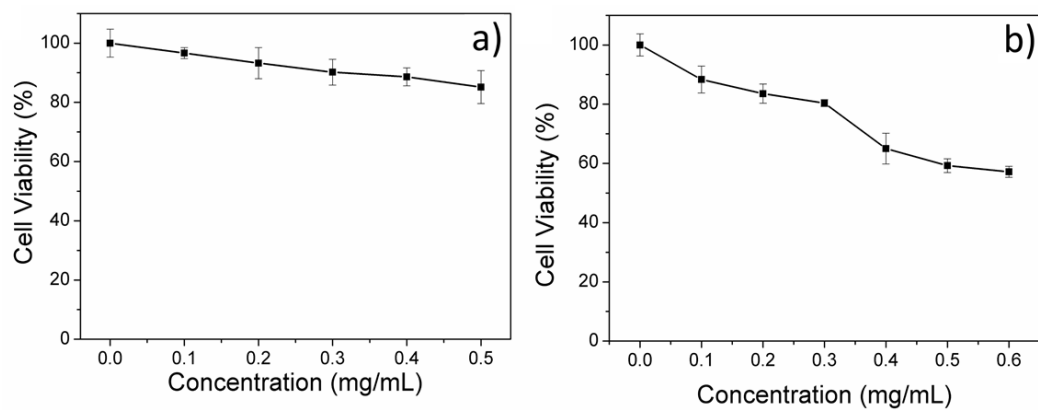


Figure S5. Cytotoxicity of PMB NPs to (a) HepG2 and (b) 4T1 cells in dark.

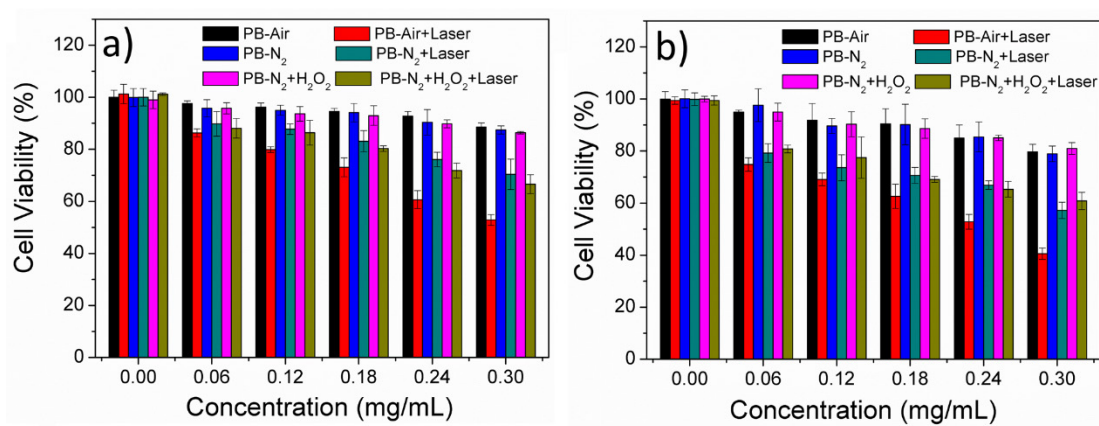


Figure S6. Cytotoxicity of PB NPs to (a) HepG2 and (b) 4T1 cells with or without irradiation under different conditions.

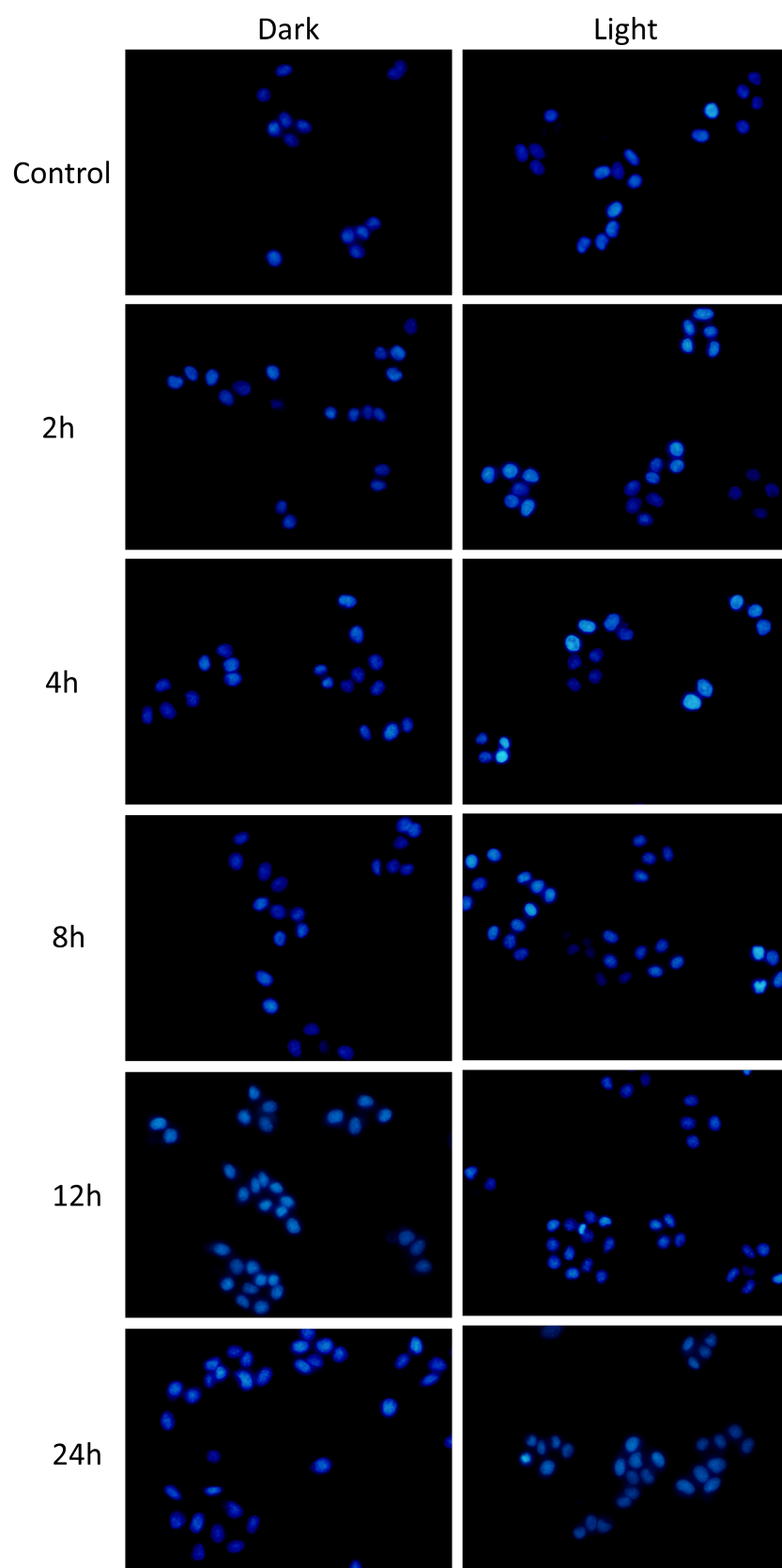


Figure S7. DAPI dyed cell apoptosis images of HepG2 cells treated PB NPs with or without illumination (635nm, 25mW/cm², 10 min) under hypoxia atmosphere.

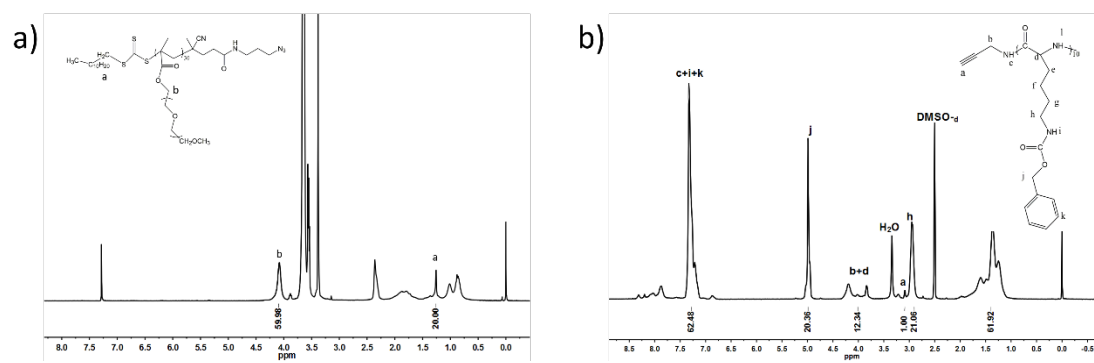


Figure S8. ^1H -NMR spectra of (a) POEGMA and (b) PLys.