Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B. This journal is © The Royal Society of Chemistry 2018



Figure S1. UV-vis spectrum of MPBs (a) and HPBs (b) nanoparticles



Figure S2. Changes in drug loading and entrapment efficiency of HPBs/HMME at different feed ratios (n =3)



Figure S3. Photographs of HPBs/HMME dispersion (a), HPBs/HMME combining with US stimulation (b), PFH-loaded HPBs/HMME (c) and PFH-loaded HPBs/HMME combining with US stimulation (d). A large number of bubbles emerged in the HPBs/HMME/PFH +US group.



Figure S4. (a) UV-vis spectrum of HPBs, HMME and HPBs/HMME/PFH; (b) UV-vis spectrum of RBC, HPBs/HMME/PFH and RBC-HPBs/HMME/PFH



Figure S5. 4T1 Cell uptake behavior at different time points: (A) HMME; (B) HPBs/HMME/PFH; (C) RBC-HPBs/HMME/PFH



Figure S6. The tumor volume of various groups after treatment.



Figure S7. H&E staining results of heart, liver, spleen, lung, kidney and brain tissues harvested from tumor bearing mice with different treatments.