Electronic Supplementary Information for:

Fabrication of thermoresponsive magnetic micelles from amphiphilic poly(phenyl isocyanide) and Fe_3O_4 nanoparticles for controlled drug release and synergistic thermochemotherapy

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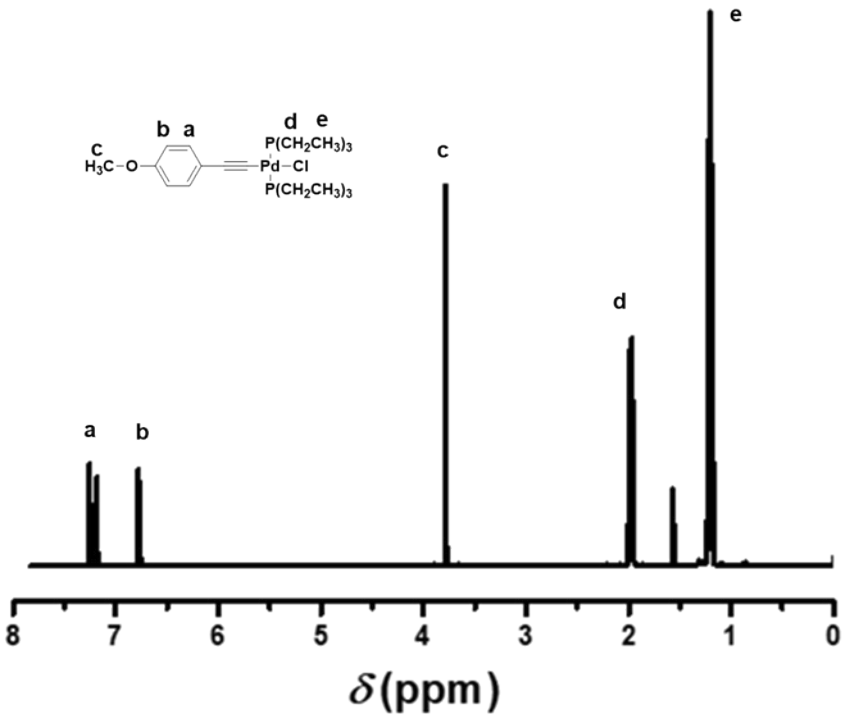

Fig. S1 ^{1}H NMR (600 MHz) spectrum of Pd(II) catalyst (3) measured in $CDCl_3$ at 25 °C.

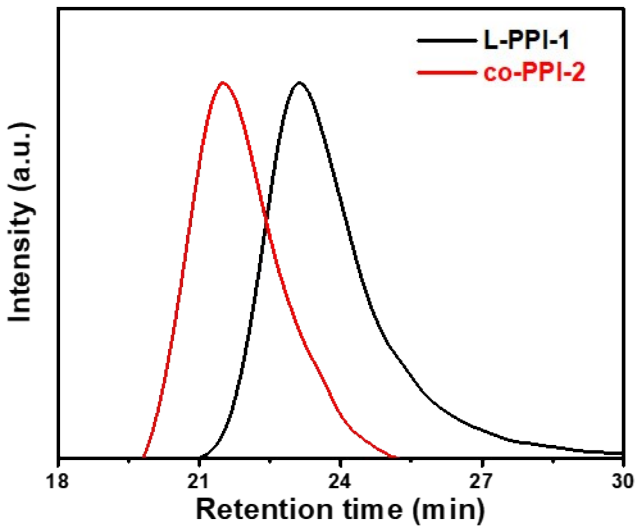

Fig. S2 GPC curves of L-PPI-1 and co-PPI-2 polymers.

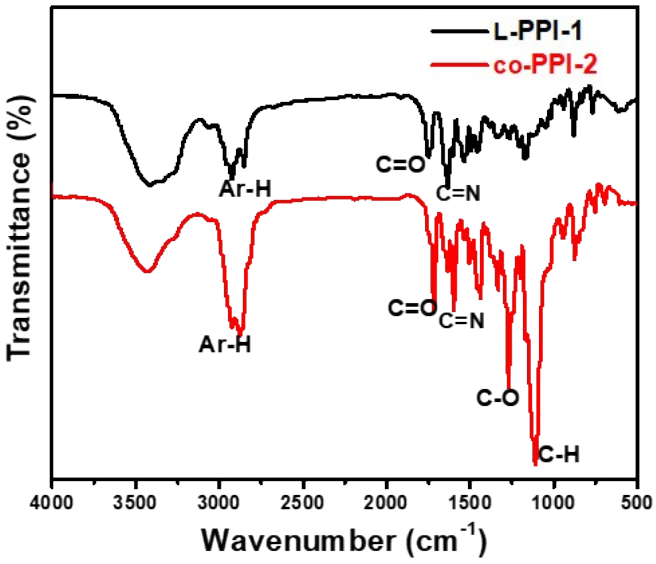

Fig. S3 FT-IR spectrum measured at 25 °C using KBr pellets.

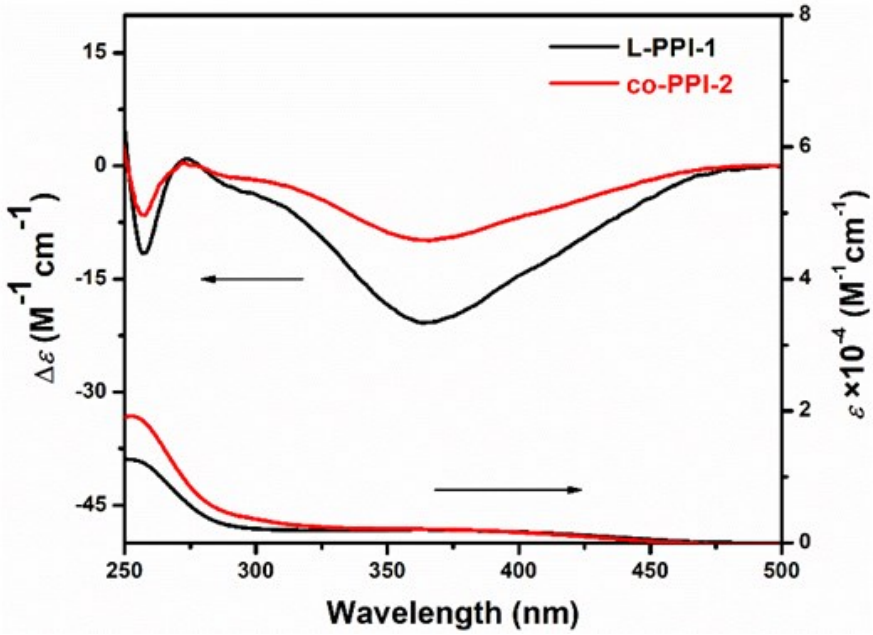

Fig. S4 CD and absorption spectra of L-PPI-1 and co-PPI-2.

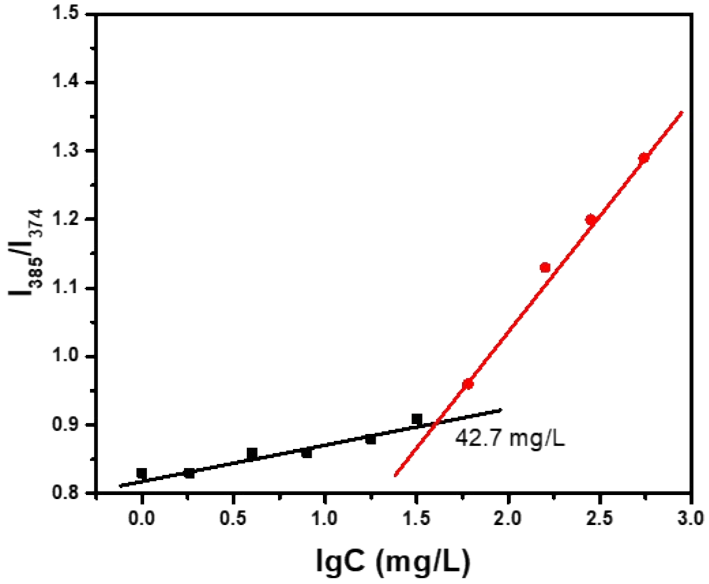

Fig. S5 Critical micelle concentration (CMC) of co-PPI-2.

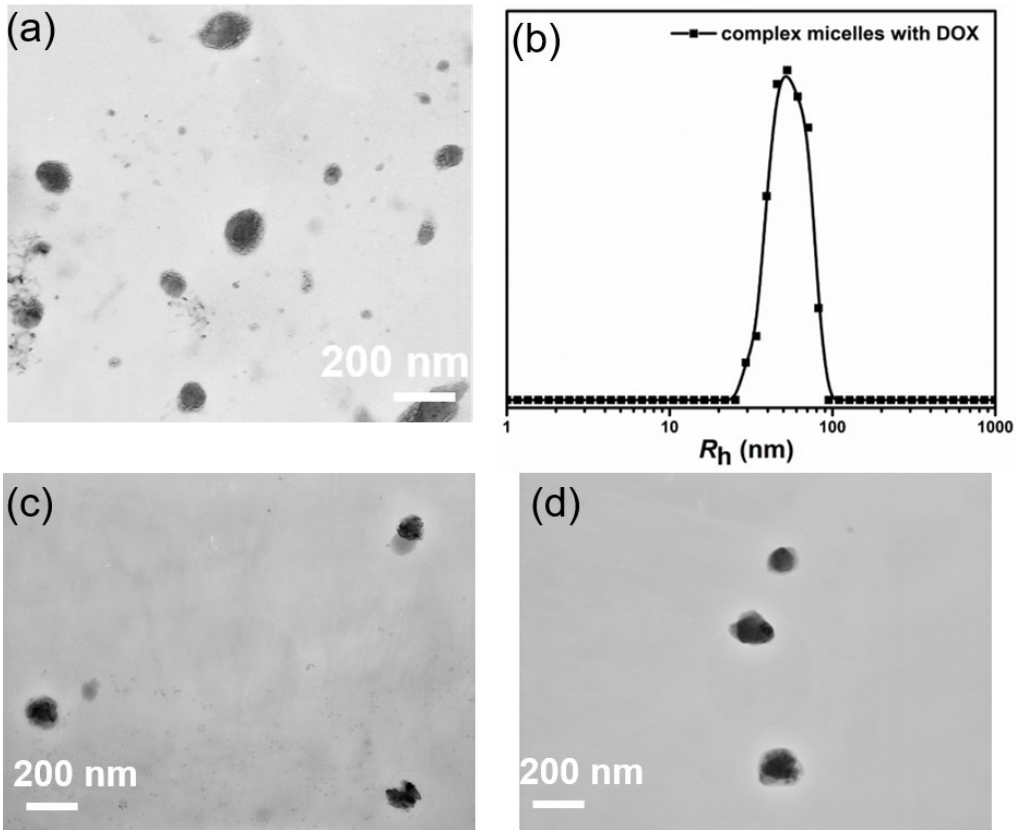

Fig. S6 TEM images of the micelles loaded with DOX (a), of the magnetic complex micelles(c) and (d) and DLS results (b) of the micelles loaded with DOX.

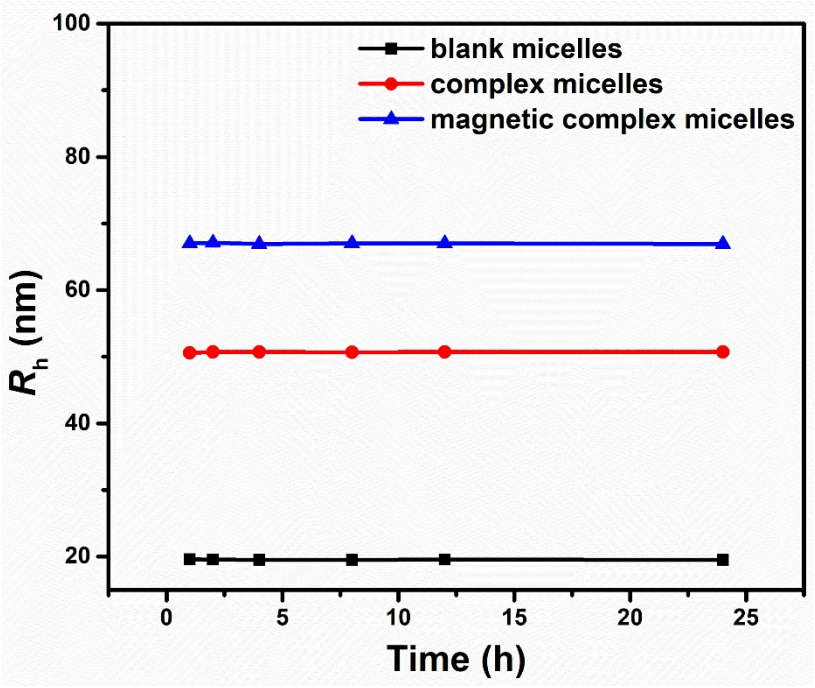

Fig. S7 Kinetic stability of blank micelles, complex micelles and magnetic complex micelles.

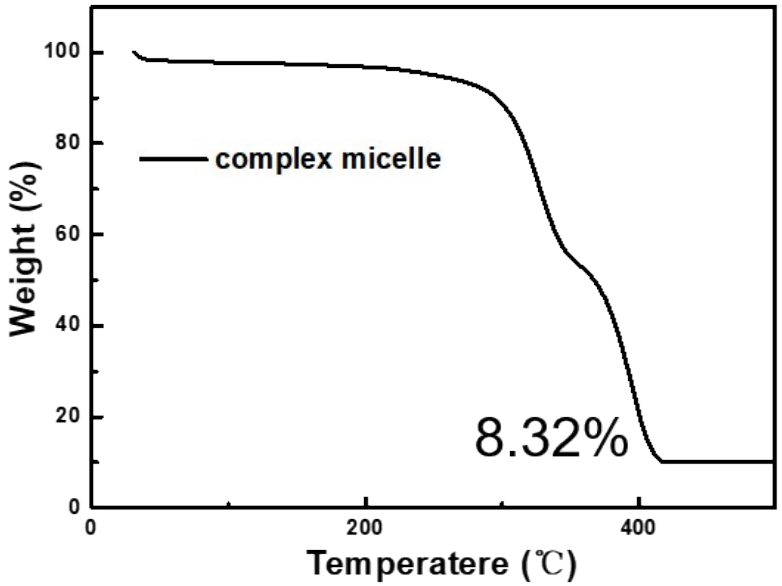

Fig. S8 TGA curves of the magnetic complex micelles.

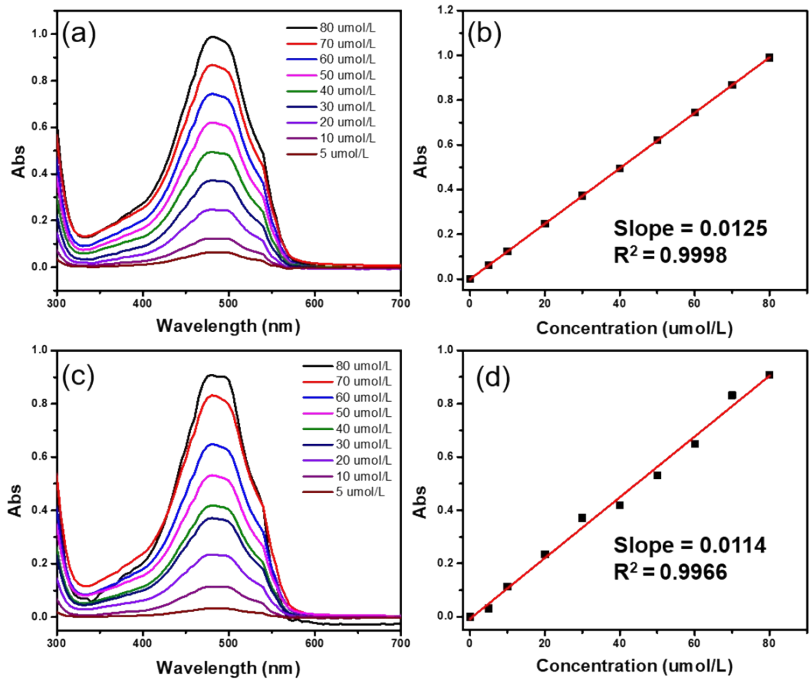

Fig. S9 UV spectra of DOX at different concentrations in PBS (a) and the standard curve of absorbance vs. concentration of DOX in PBS (b); UV spectra of DOX at different concentrations in THF (c) and the standard curve of absorbance vs. concentration of DOX in THF (d).

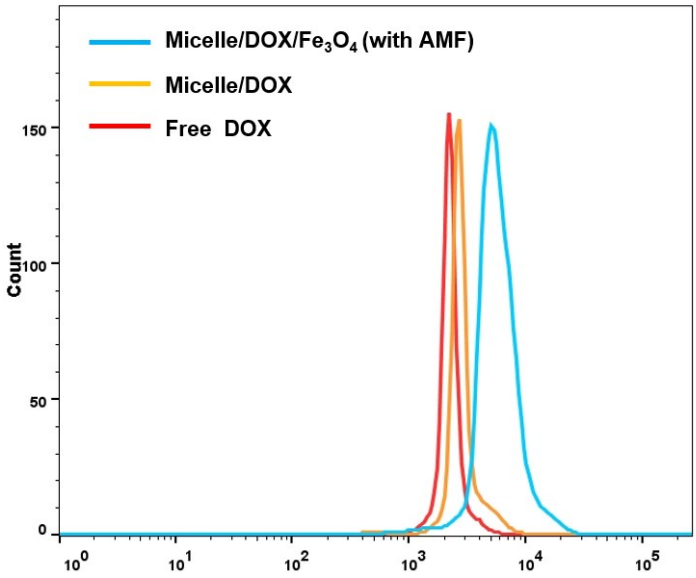

Fig. S10 Cellular uptake characterized by flow cytometer (FCM).

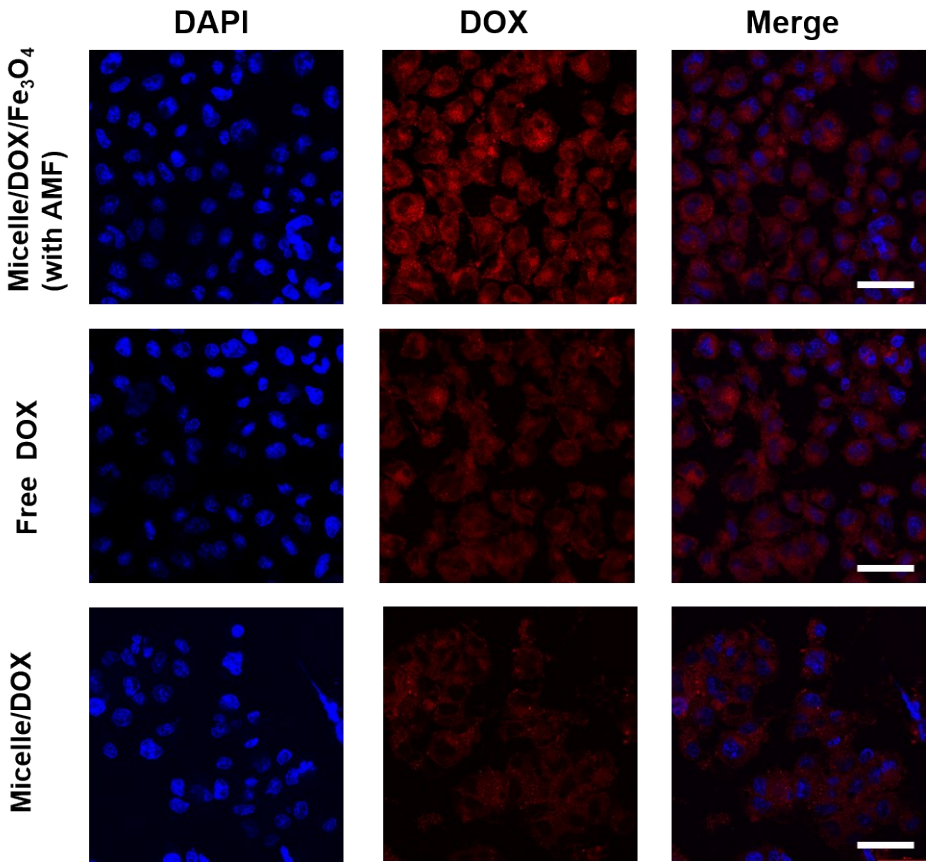

Fig. S11 Cellular uptake characterized by confocal laser scanning microscopy (CLSM).

References

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