

## Supplementary Materials

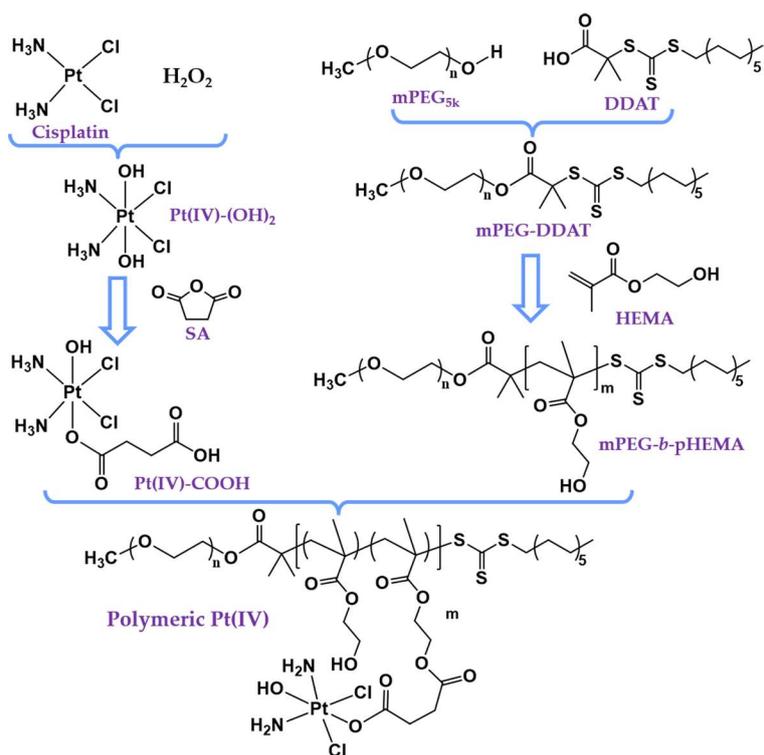


Figure S1: Synthetic scheme of polymeric Pt(IV)

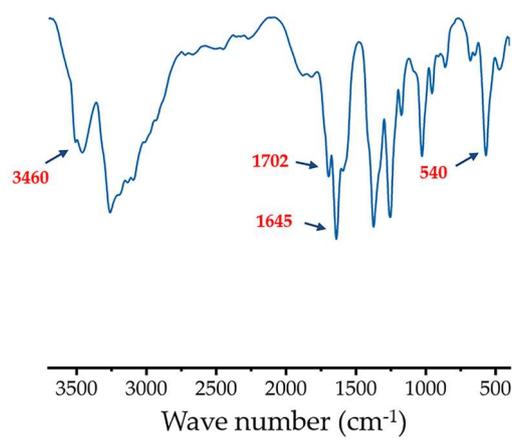


Figure S2: FTIR spectrum of Pt(IV)-COOH

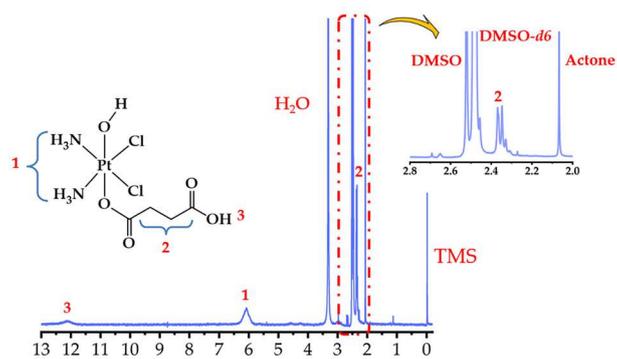


Figure S3:  $^1\text{H}$  NMR spectrum of Pt(IV)-COOH

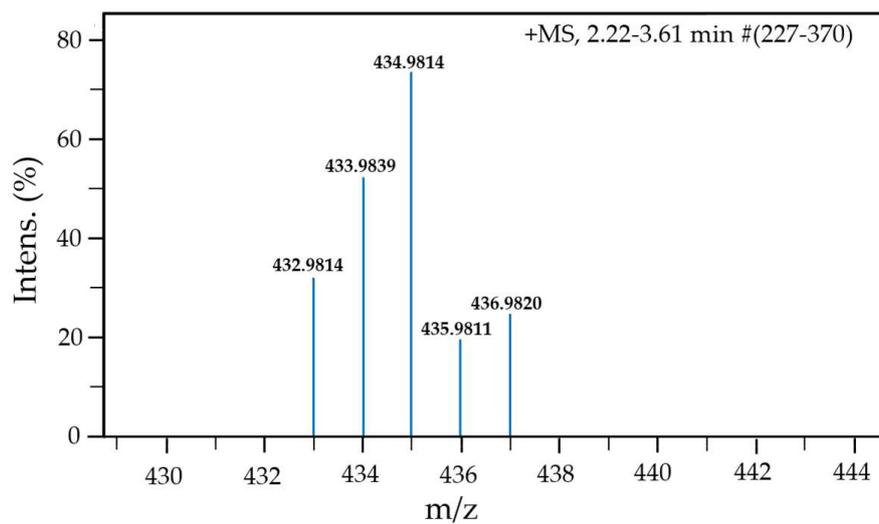


Figure S4: Mass spectrum of Pt(IV)-COOH

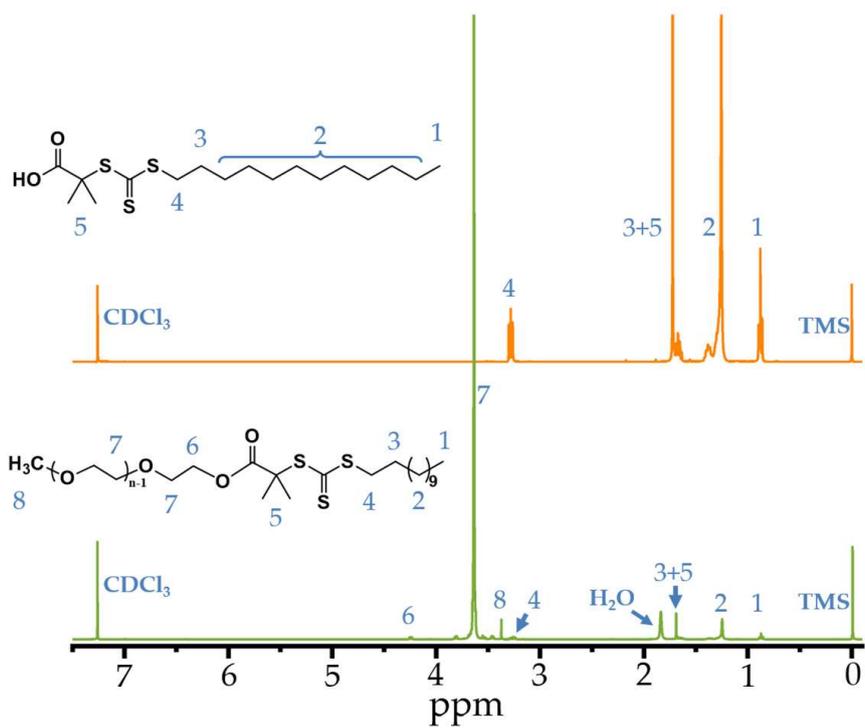


Figure S5: <sup>1</sup>H NMR spectra of DDAT and mPEG-DDAT

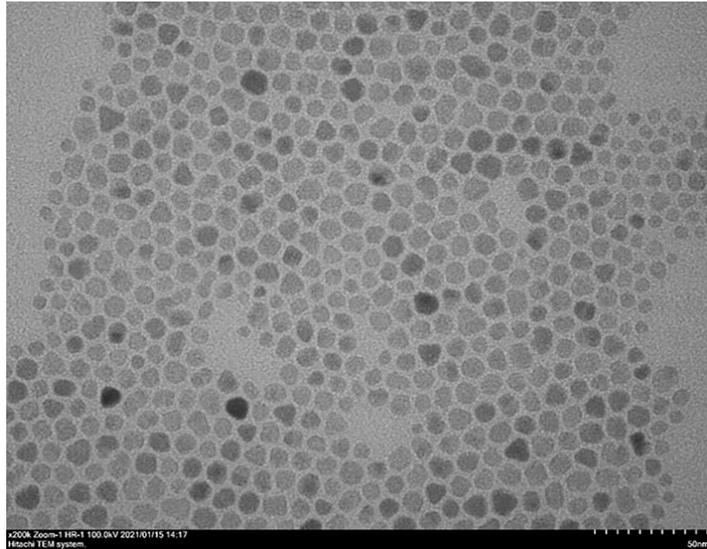


Figure S6: TEM result of monodispersed  $\text{Mn}_{0.6}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$  nanoparticles

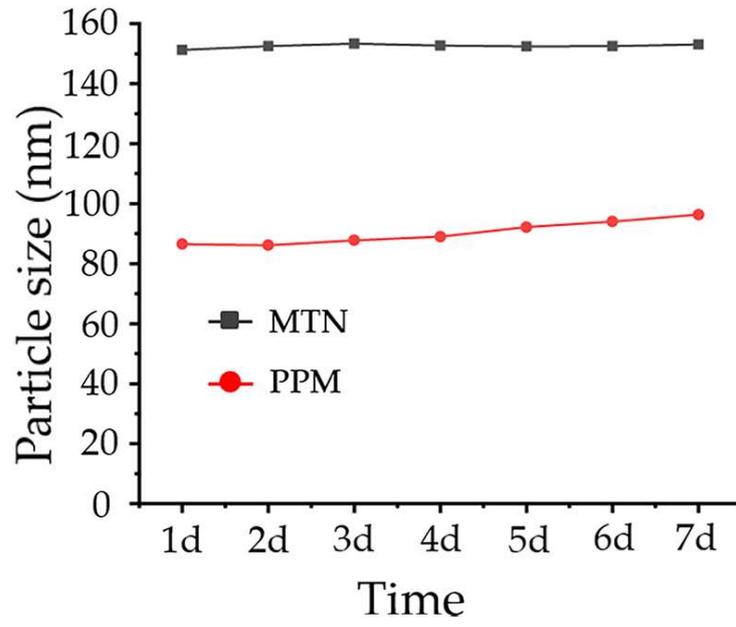


Figure S7: The time-dependent hydrodynamic diameter of PPM and MTN in PBS

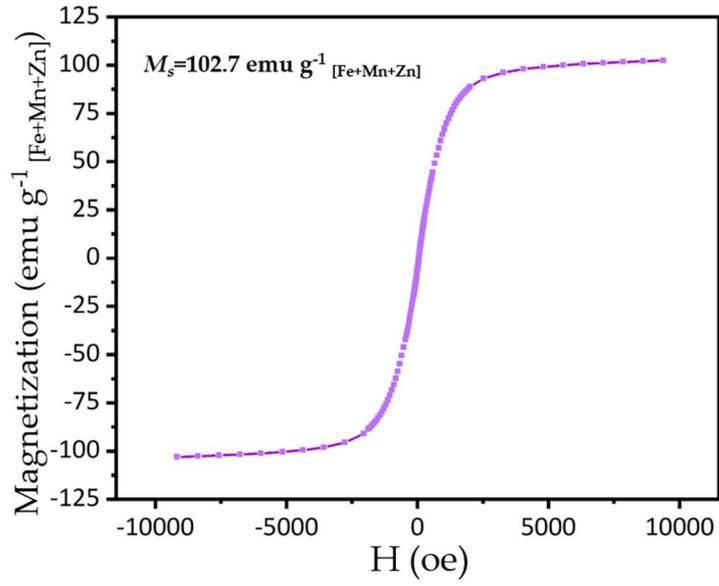


Figure S8: Magnetization curve of the Mn<sub>0.6</sub>Zn<sub>0.4</sub>Fe<sub>2</sub>O<sub>4</sub> at 300 K

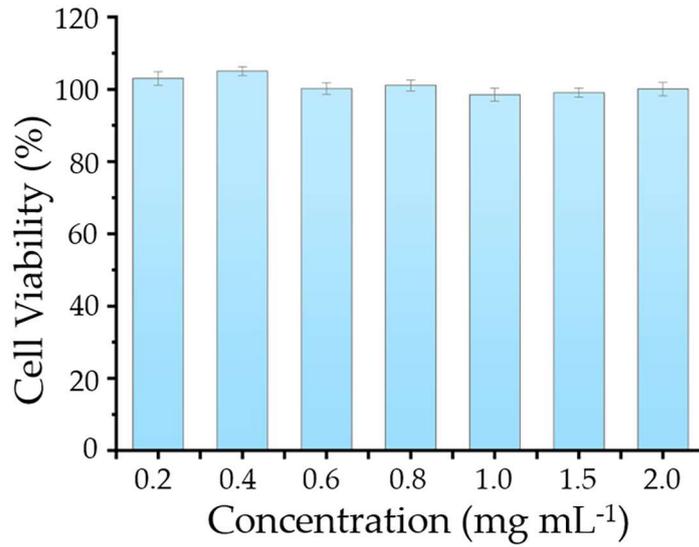


Figure S9: The biocompatibility of mPEG-b-pHEMA