

Supporting information

Ultrabright and Biocompatible AIE Dye Based Zwitterionic Polymeric Nanoparticles for Biological Imaging

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Results

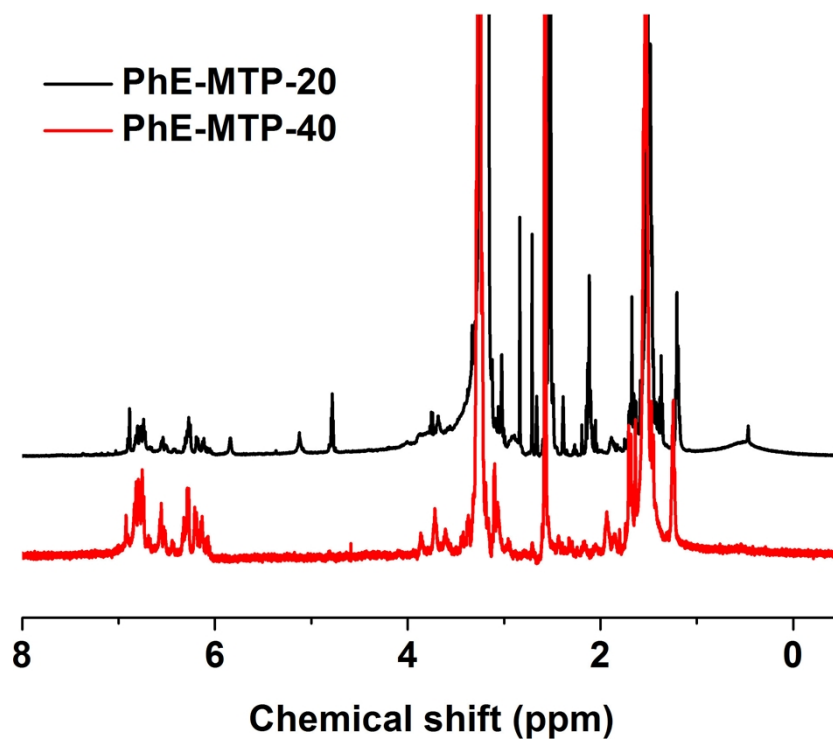


Fig. S1 ¹H NMR spectrum of PhE-MTP NPs dissolved in d₆-DMSO

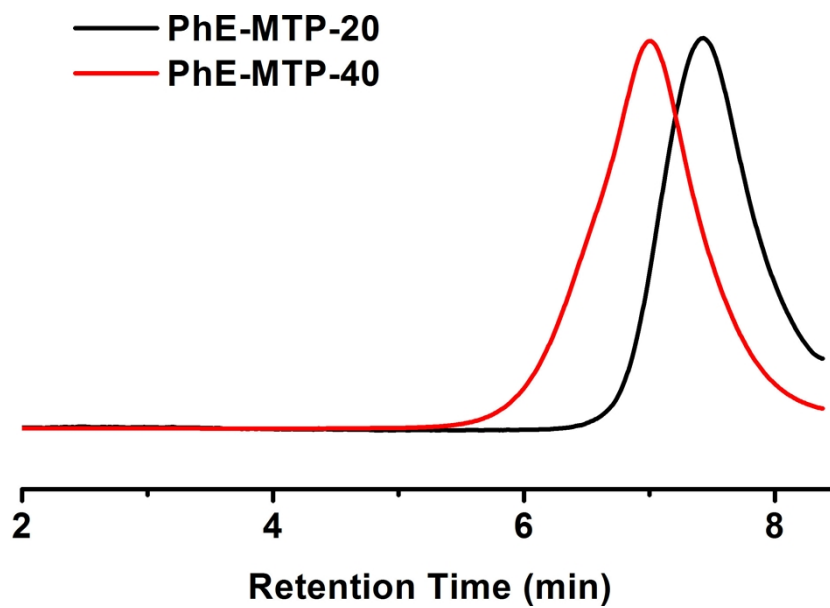


Fig. S2 GPC curves of PhE-MTP-20 and PhE-MTP-40.

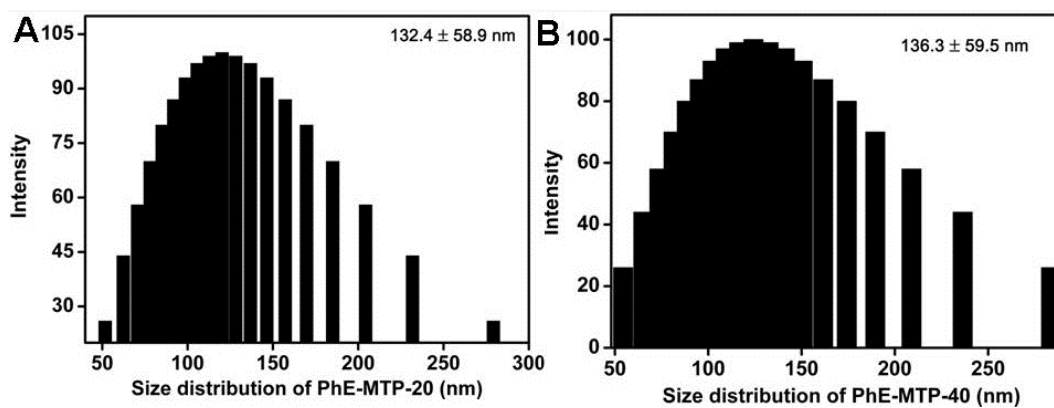


Fig. S3 hydrodynamic size distribution of PhE-MTP NPs in water, (A) PhE-MTP-20 NPs (B) PhE-MTP-40 NPs.

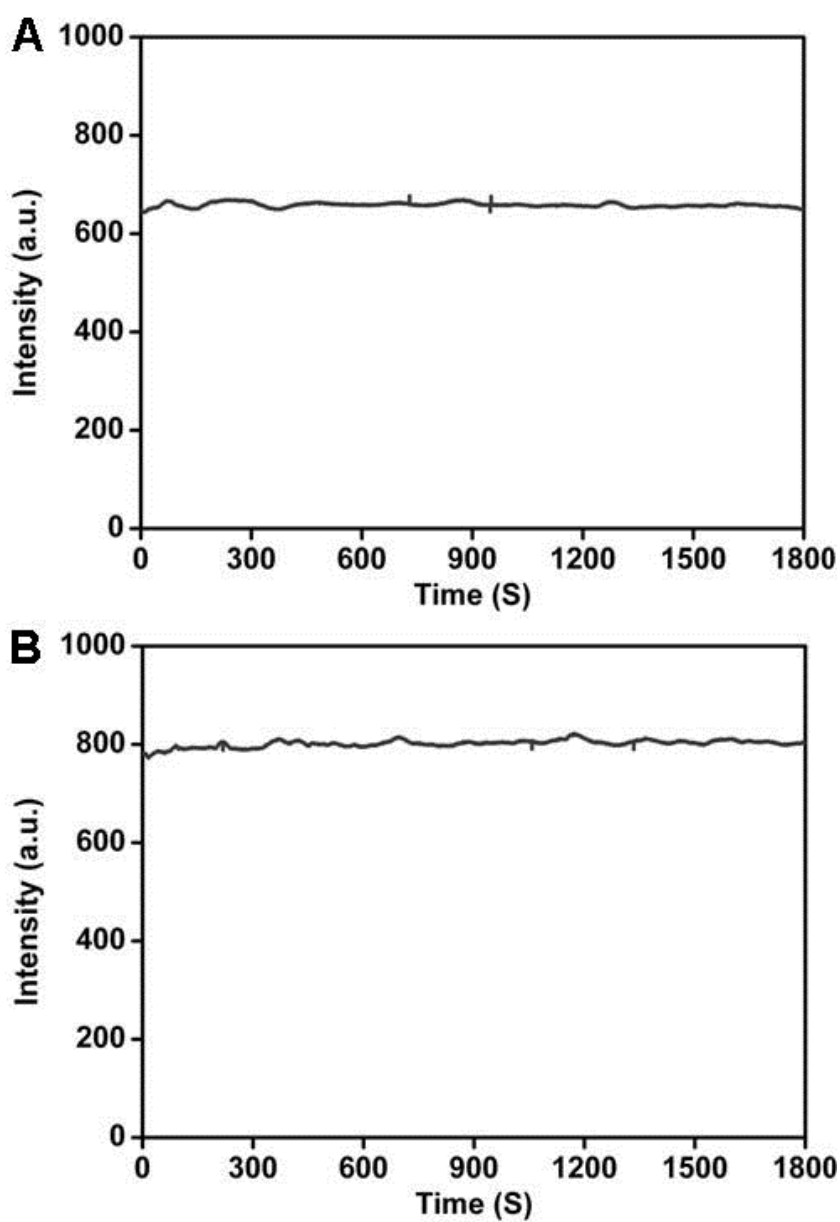


Fig. S4 Photostability of PhE-MTP NPs in water (excitation wavelength = 488 nm, emission

wavelength = 581 nm).

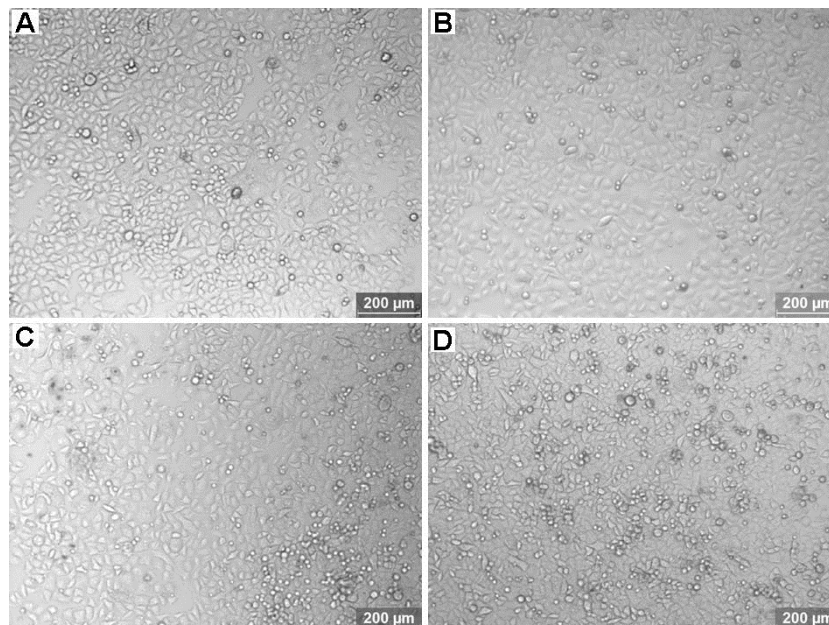


Fig. S5 Microscopy observation of **PhE-MTP** NPs with A549 cells, the concentrations of **PhE-MTP** NPs are (A) control cells, (B) 20 $\mu\text{g mL}^{-1}$, (C) 80 $\mu\text{g mL}^{-1}$ (D) 120 $\mu\text{g mL}^{-1}$.

Table S1 element contents (%) of MTP, **PhE-MTP** NPs based on XPS analysis

	C	N	O	P
MTP	59.48	4.34	31.2	4.98
PhE-MTP-20 NPs	76.87	3.3	17.92	1.92
PhE-MTP-40 NPs	76.78	2.86	18.89	1.47