Fabrication of multifunctional fluorescent organic nanoparticles with aggregation-induced emission feature through photo-initiated RAFT polymerization for biological imaging and drug delivery applications

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Results

Fig. S1 The hydrodynamic diameter of TPE-SE-IA FONs obtained by DLS.

Fig. S2 The hydrodynamic diameter of drug-loaded TPE-SE-IA FONs obtained by DLS. It was found that the sizes of drug-loaded TPE-SE-IA FONs were slightly larger than those of drug-free TPE-SE-IA FONs, indicating that the drug was successfully loaded into the core of FONs.
Fig. S3 UV-Vis spectrum of TPE-DETC dissolved in DMF.

Fig. S4 $^{13}$C NMR spectrum of TPE-NH$_2$ in choroform-$d$.

Fig. S5 $^{13}$C NMR spectrum of TPE-PC in choroform-$d$. 

Absorption / a.u.

Wavelength / nm

200 180 160 140 120 100 80 60 40 20

Chemical shift / ppm
Fig. S6 $^{13}$C NMR spectrum of TPE-DETC in chloroform-$d$.  

Fig. S7 MS of TPE-NH$_2$.  

Fig. S8 MS of TPE-PC.
Fig. S9 MS of TPE-DETC.

Fig. S10 FL spectra of TPE-SE-IA dispersed in aqueous solution at different pH environment (5.5 and 7.4).

Fig. S11 GPC curves of TPE-SE-IA measured in DMF.