

Nanoparticle delivery of Wnt-1 siRNA enhances photodynamic therapy by inhibiting epithelial-mesenchymal transition for oral cancer

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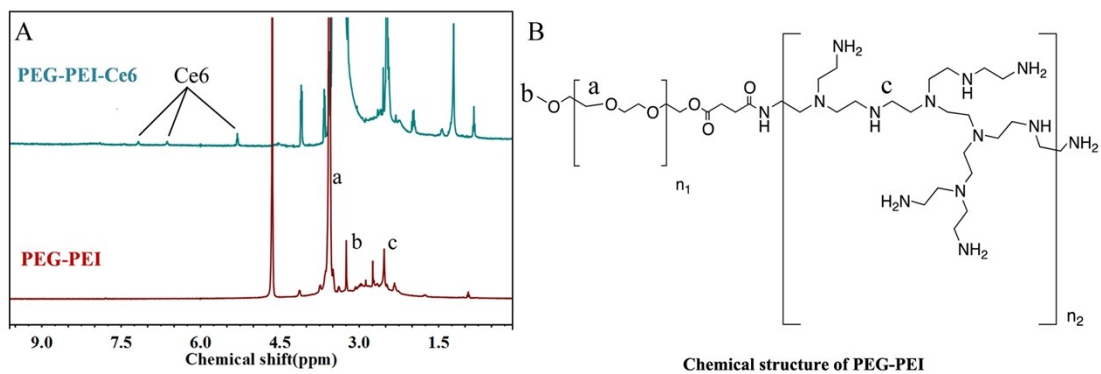
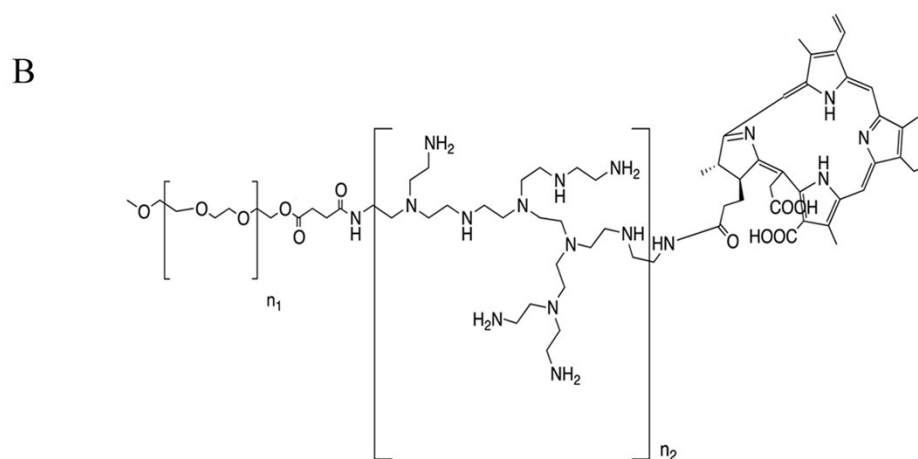
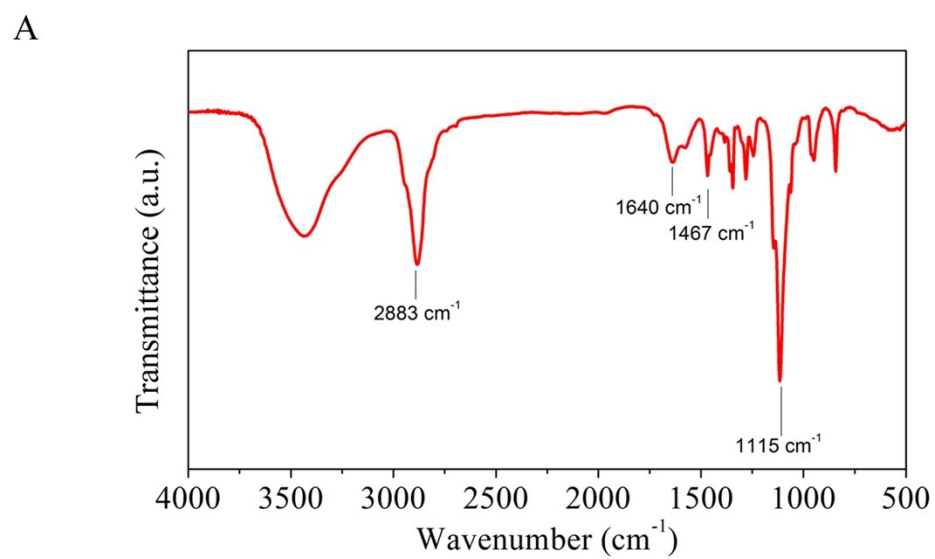


Fig. S1. (A) ^1H NMR of PEG-PEI and PEG-PEI-Ce6. NMR spectra of the copolymer presents the peaks associated with the original polymer blocks. (B) Structure of PEG-PEI.



Structure of PEG-PEI-Ce6

Fig. S2. FTIR spectrum (A) and chemical structure of PEG-PEI-Ce6 (B).

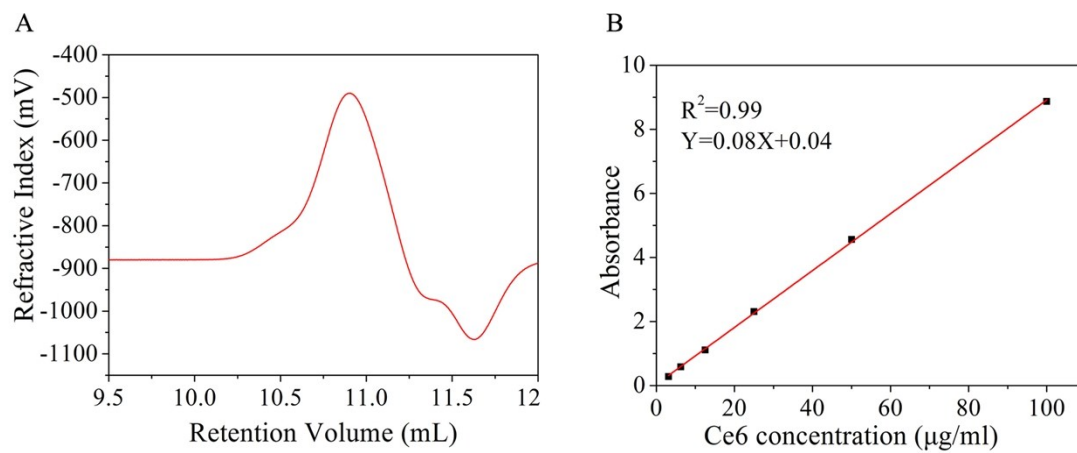


Fig. S3. GPC curve of PEG-PEI-Ce6 (A) and regression curve of the absorbance against standard Ce6 concentration (B).

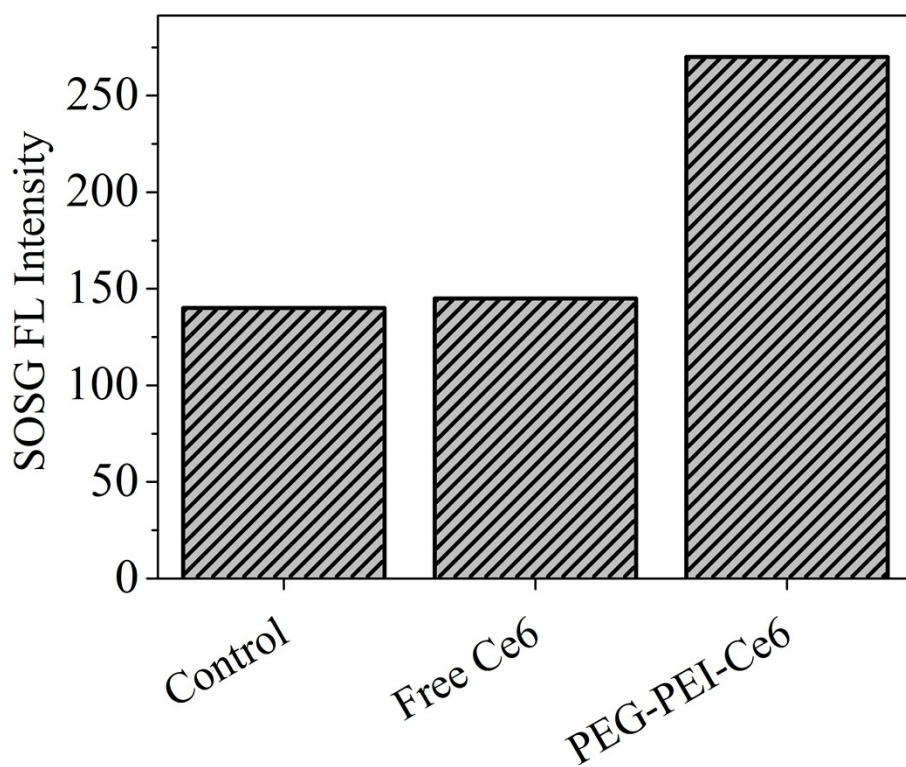


Fig. S4. Singlet oxygen generation (SOG) of free Ce6 and PEG-PEI-Ce6 in deuterium depleted water (Ce6, 1 $\mu\text{g/ml}$).

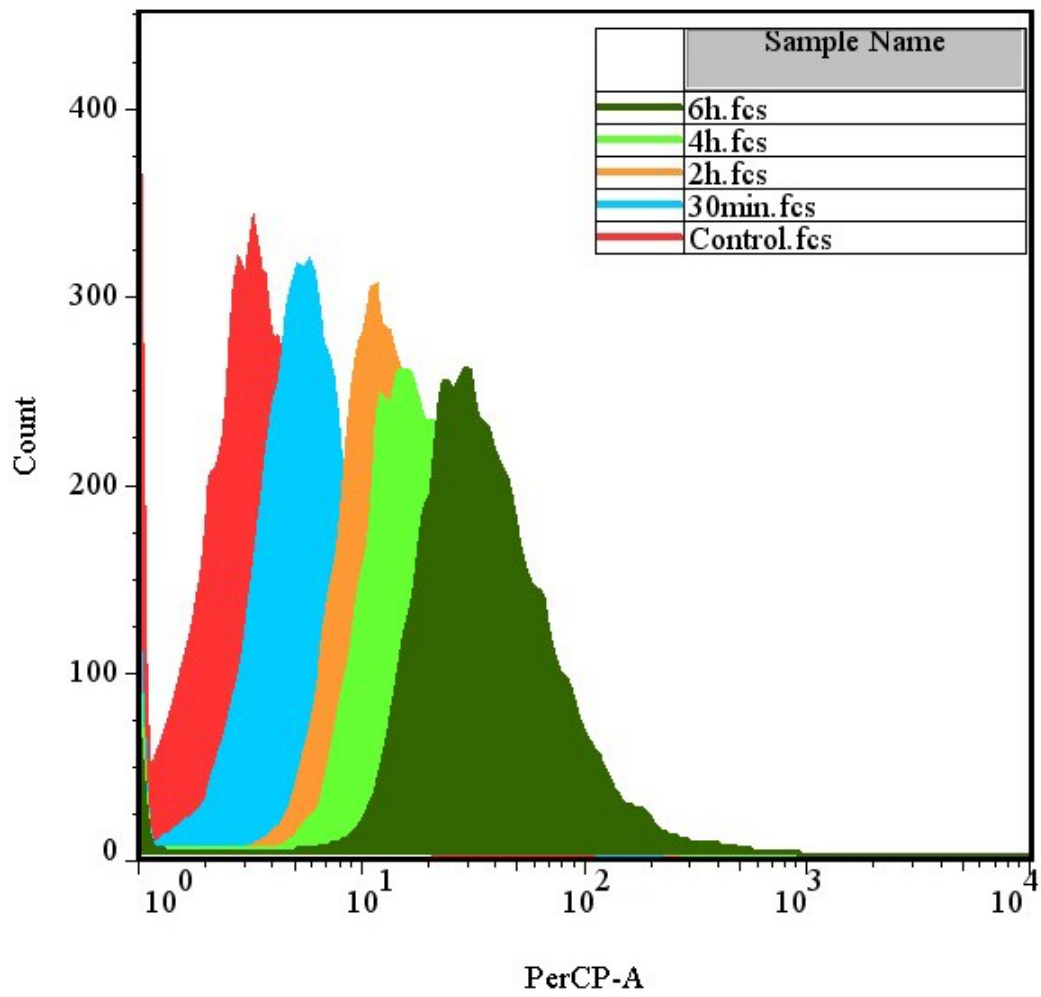


Fig. S5. Cellular uptake characteristics of PEG-PEI-Ce6/siRNA nanoparticles using FACS in a cell culture system after 6 h post-incubation.