Supplementary information for:

Surface Sperimidine Functionalized PEGylated Poly (lactide-co-glycolide) Nanoparticles for Tumor-targeted Drug Delivery

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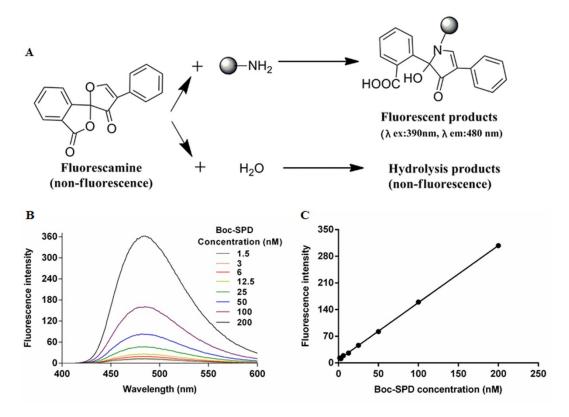


Fig.S1 (A) Scheme of the reaction between fluorescamine and a primary amine; (B) Fluorescence spectra of Boc-SPD calibrating solutions; (C) Standard curve of fluorescence intensity to Boc-SPD concentration at 480 nm.

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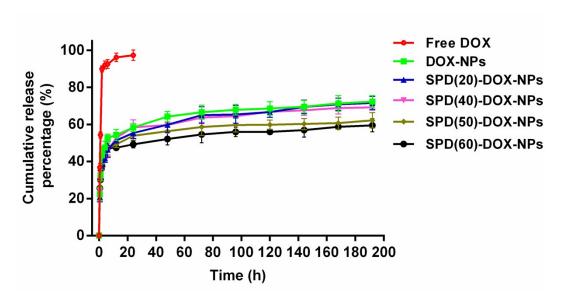


Fig.S2 *In vitro release* profiles of DOX from DOX-NPs and SPD-DOX-NPs with different SPD contents on NPs surface in PBS (pH 7.4) with 0.05 % SDS at 37 $^{\circ}$ C for 192 h. Data were shown as mean \pm SD (n=3).

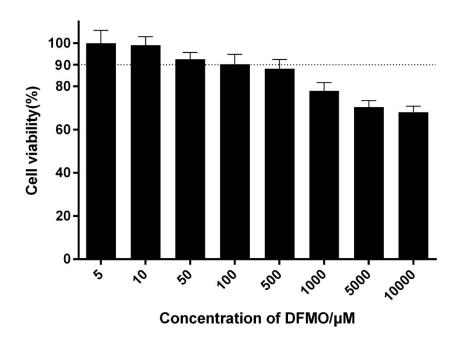


Fig.S3 *In vivo* cytotoxicity of DFMO on A549 cells for 24 h. Data were shown as mean \pm SD (n=4)

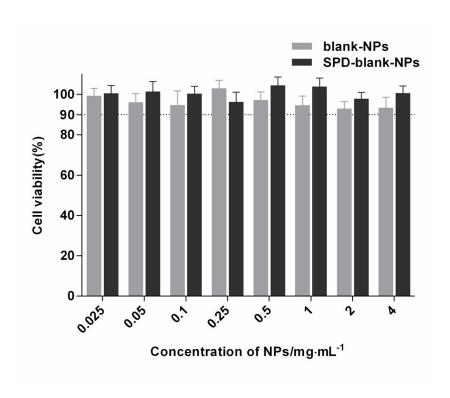


Fig.S4 *In vivo* cytotoxicity of blank NPs and SPD-NPs on A549 cells according to polymer concentrations for 24 h. Data were shown as mean \pm SD (n=4)