

Supplementary material:

Preparation and characterization of β -casein stabilized lipopeptide lyotropic liquid crystal nanoparticles for delivery of doxorubicin

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Figs. No. 8

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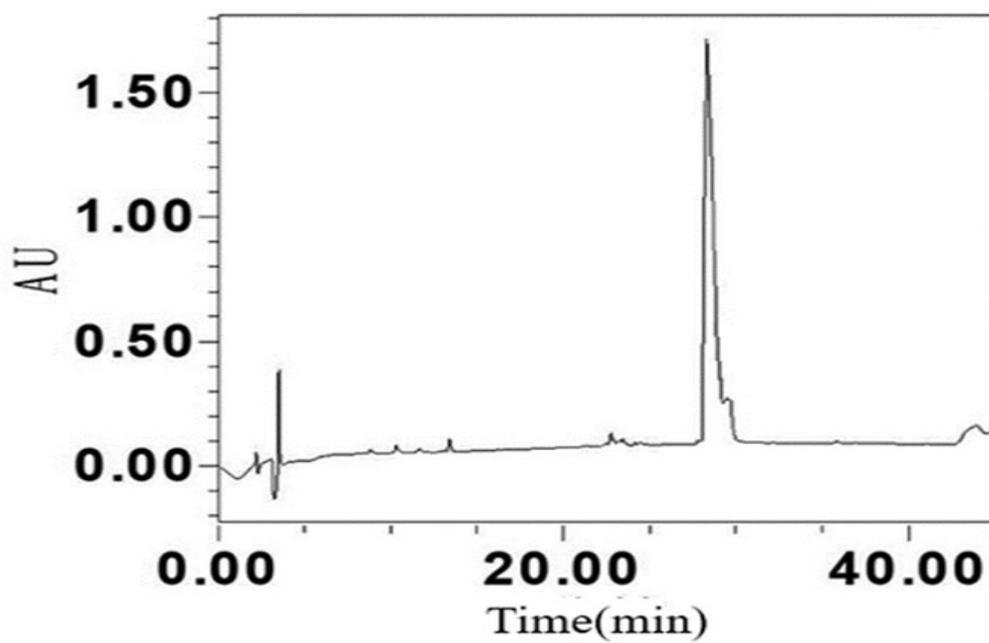


Fig. S1 HPLC of *dSMO*

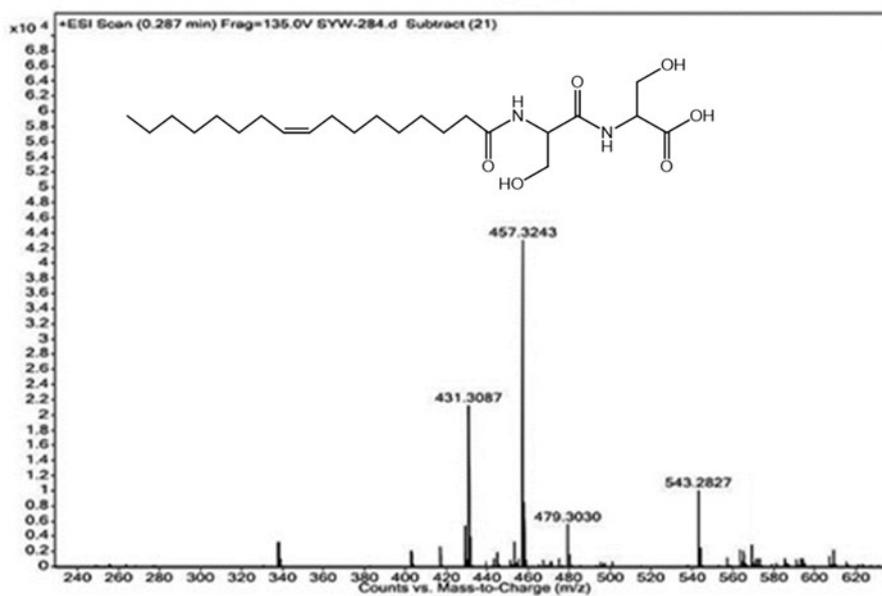


Fig. S2 MS of *dSMO*

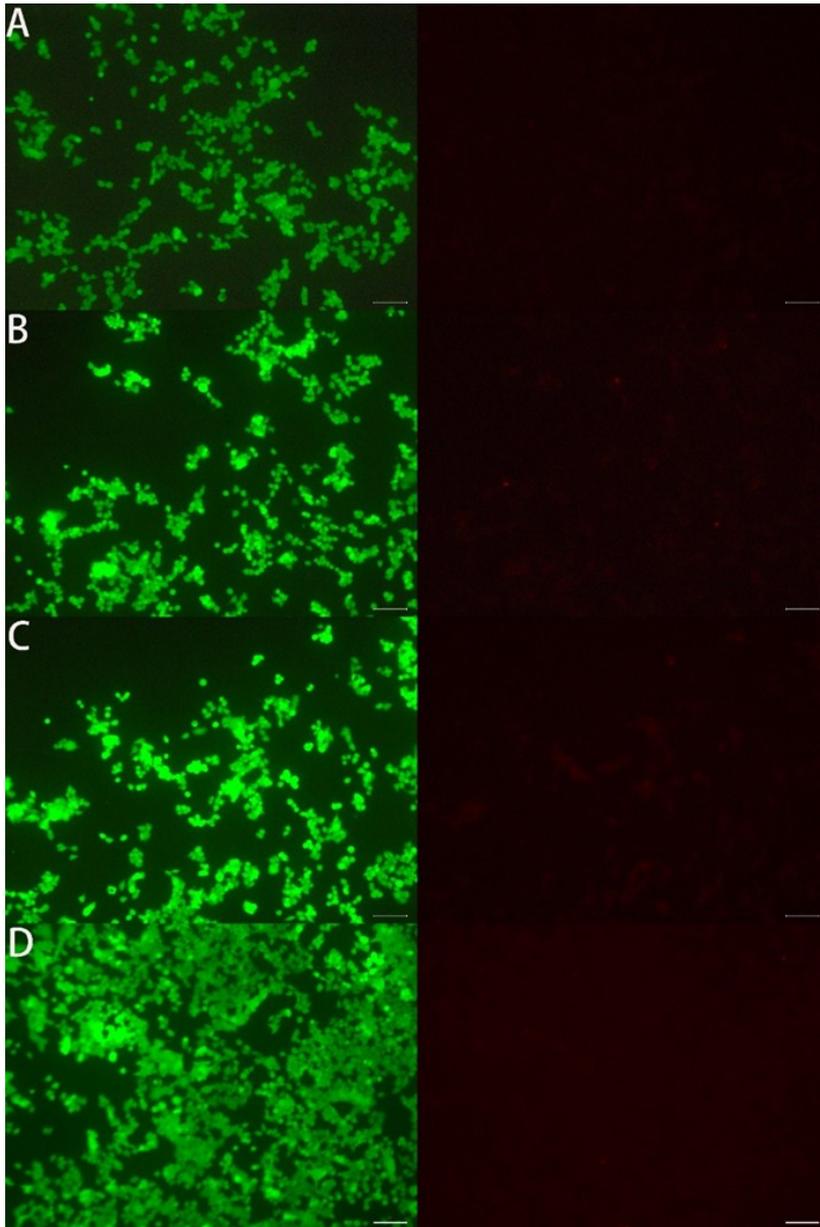


Fig. S3 The double-staining experiment of 293E cells was performed with a scale of 100 μm , (A) 24 h control group, (B) 24 h experimental group, (C) 48 h control group, (D) 48 h experimental group.

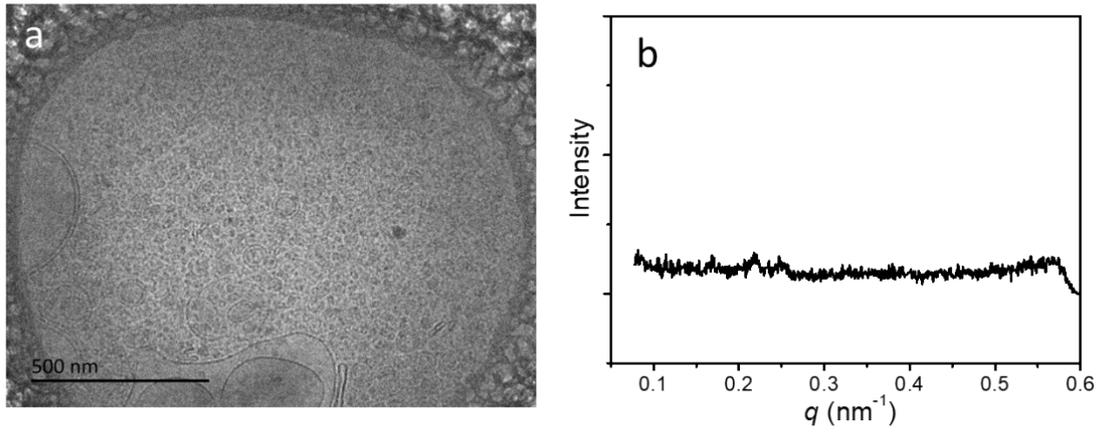


Fig. S4 Cryo-TEM image and SAXS of LLC NPs degraded by protease K for 2 d.

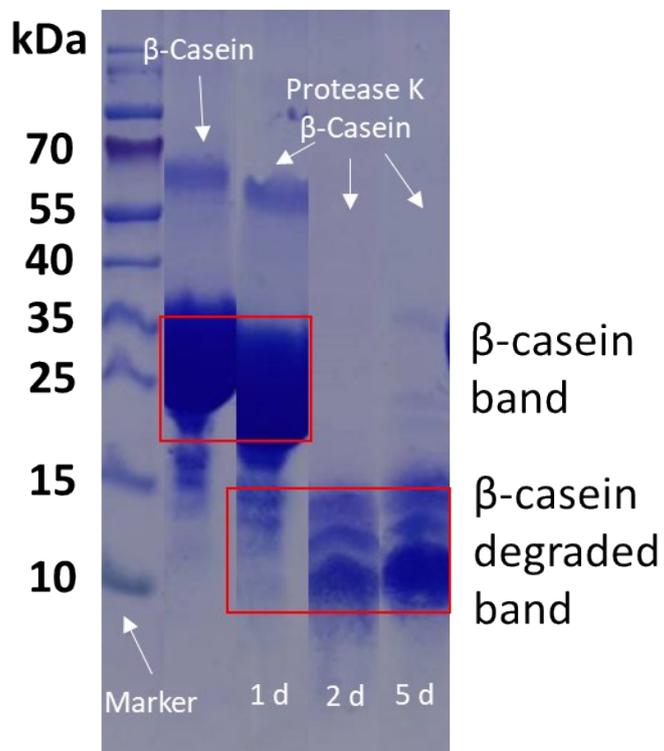


Fig. S5 SDS-PAGE of β -casein and β -casein/protease K mixed 1 d, 2 d and 5 d.

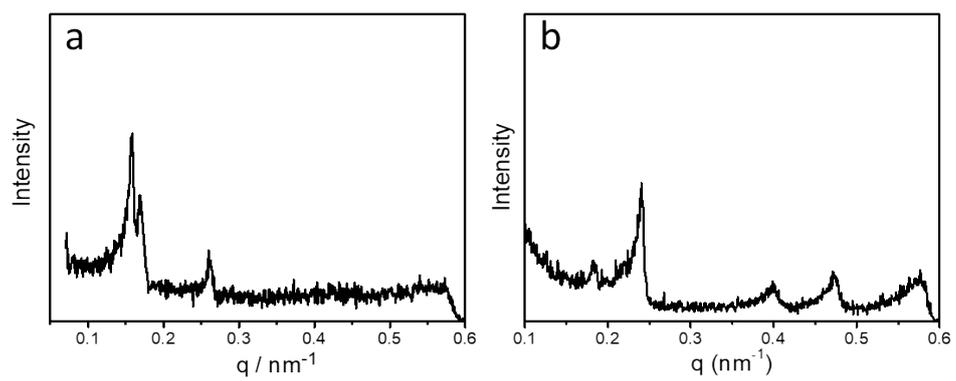


Fig. S6 SAXS curves of drug loaded LLC NPs at pH 7.4 (a) and 5 (b).

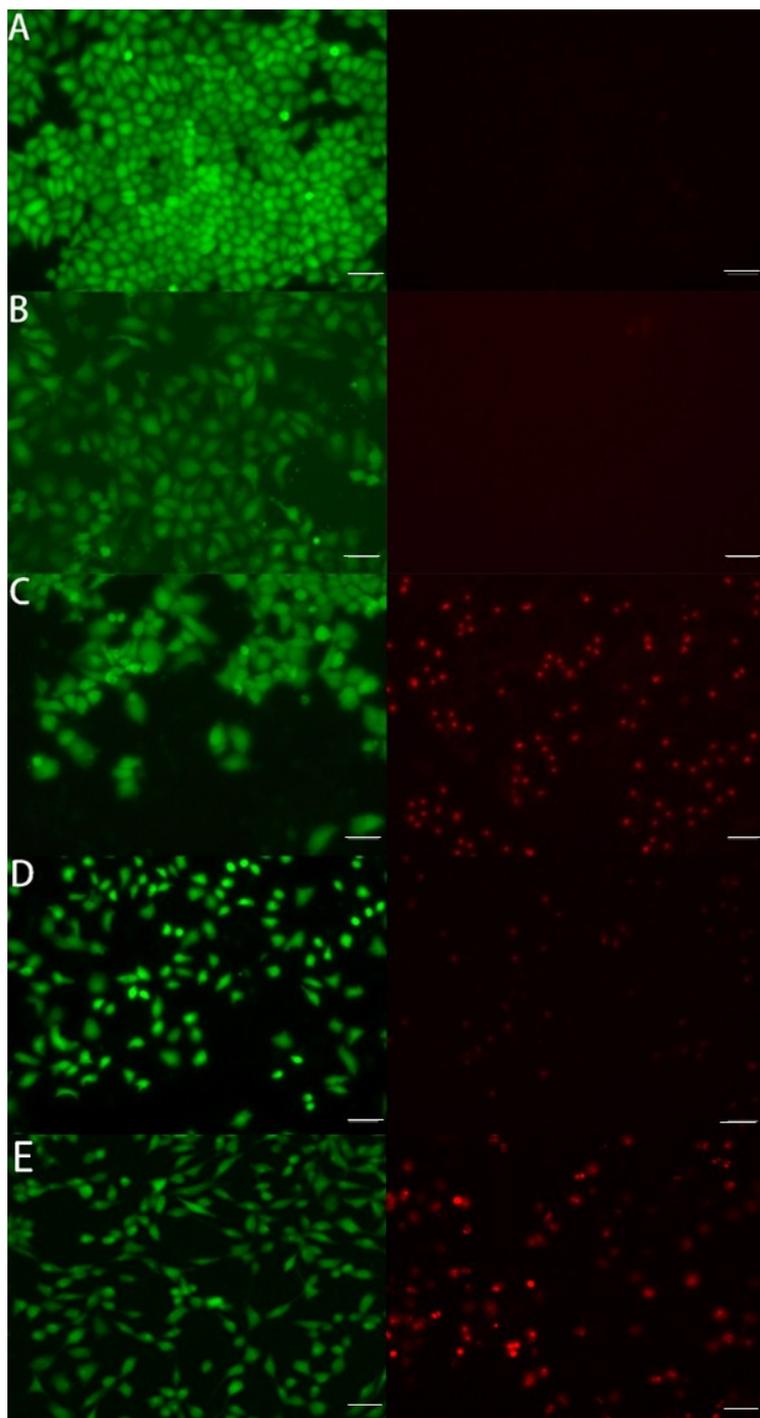


Fig. S7 Micrographs of life and death double-staining experiments of HeLa cells incubated for 24 h under different conditions, the scale is 50 μm , (A) Control, (B) LLC NPs, (C) free DOX·HCl, (D) DOX·HCl in LLC NPs pH 7.4, (E) DOX·HCl in LLC NPs pH 5.

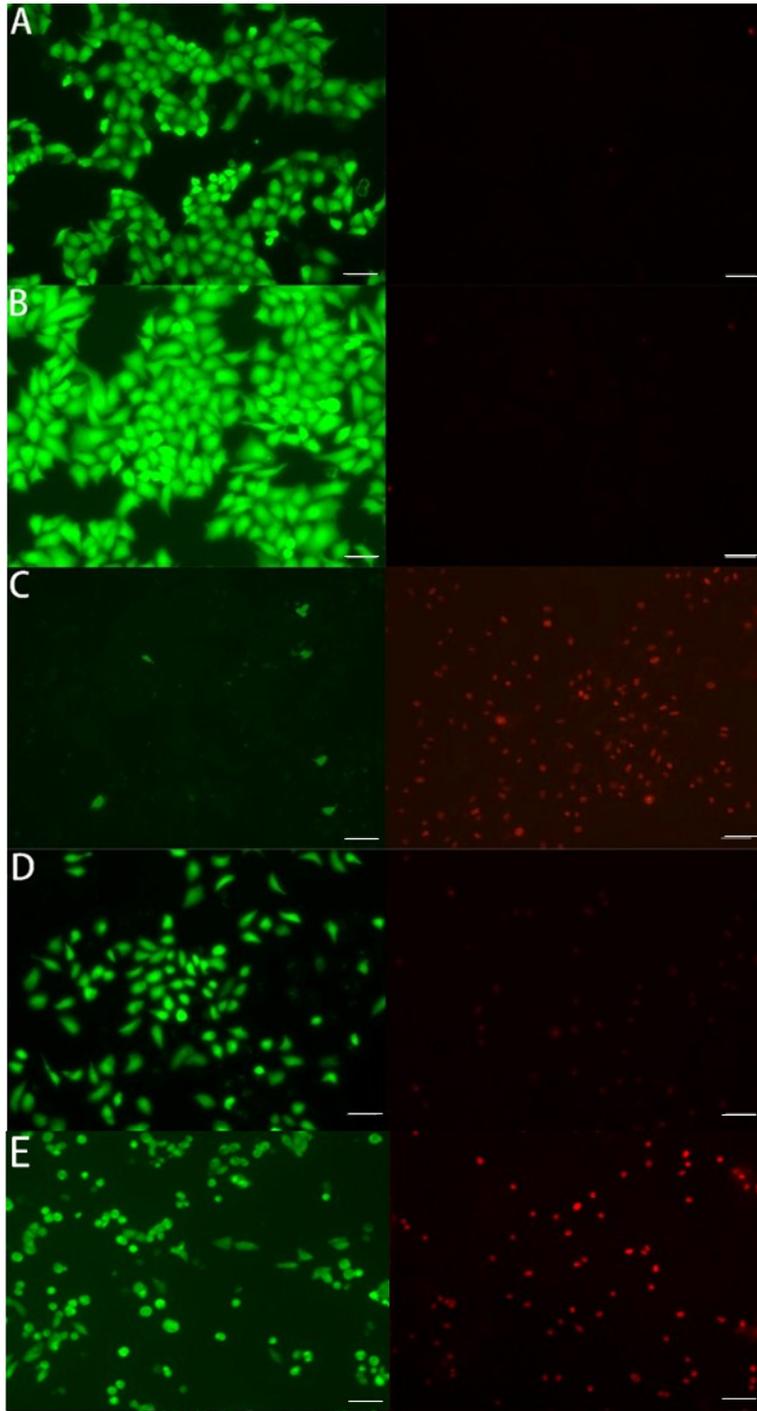


Fig. S8 Micrographs of life and death double-staining experiments of HeLa cells incubated for 48 h under different conditions, the scale is 50 μm , (A) Control, (B) LLC NPs, (C) free DOX·HCl, (D) DOX·HCl in LLC NPs pH 7.4, (E) DOX·HCl in LLC NPs pH 5.