

Supplementary Information

Drug release of pH-sensitive poly(L-aspartate)-*b*-poly(ethylene glycol) micelles with POSS cores

Yuji Pu, Longgui Zhang, Hui Zheng, Bin He*, Zhongwei Gu*

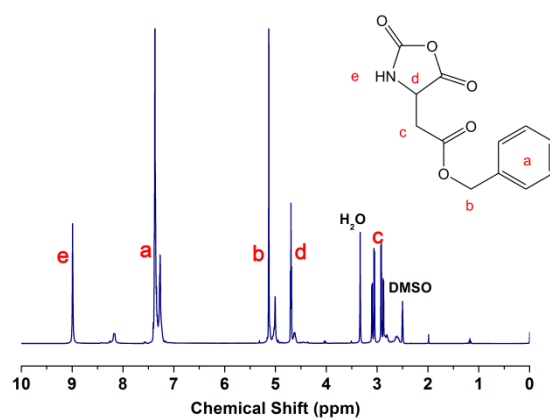


Fig. S1 ^1H NMR spectrum of BLA-NCA in $\text{DMSO-}d_6$.

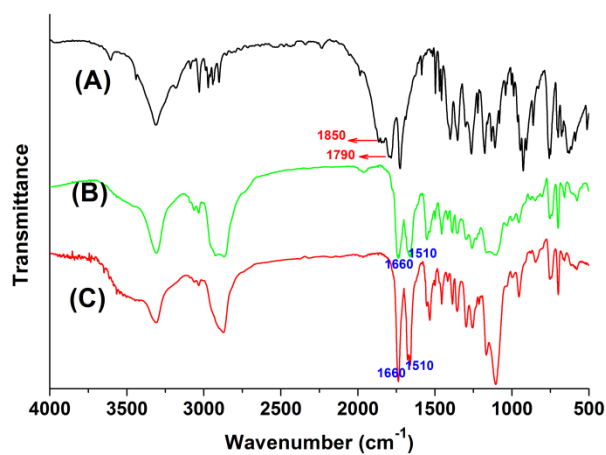


Fig. S2 FTIR spectra of BLA-NCA (A), the reaction mixture of mPEG-NH₂ and BLA-NCA (feed ratio 1:15) in DMF after 24 hours reaction (B), and purified PBLA₁₅-*b*-PEG (C).

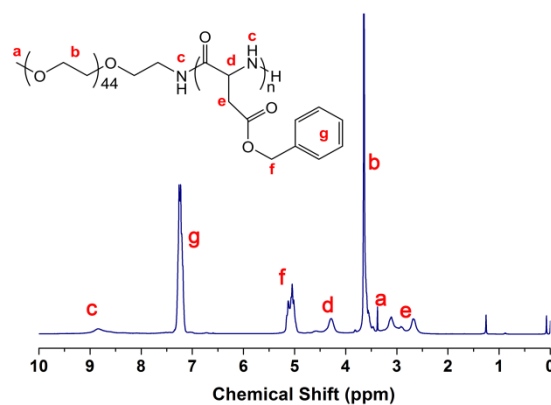


Fig. S3 ¹H NMR spectrum of PBLA-*b*-PEG in CDCl₃.

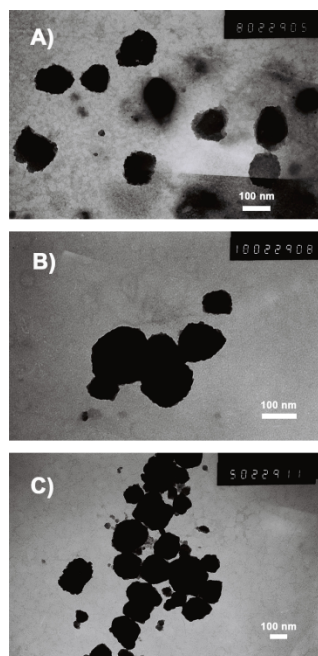


Fig. S4 TEM images of star shape polymeric micelles P1 (A), P2 (B), and P3 (C). The transmission electron microscopy was studied on a JEM-100CX (JEOL) transmission electron microscope.

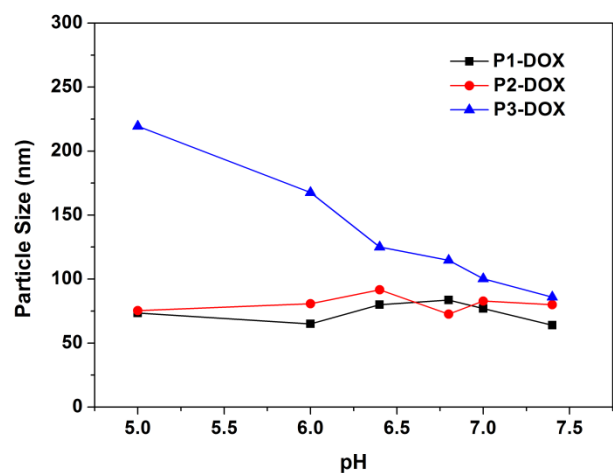


Fig. S5 The mean diameters of DOX loaded micelles in the media with different pH values.