

Supporting Information

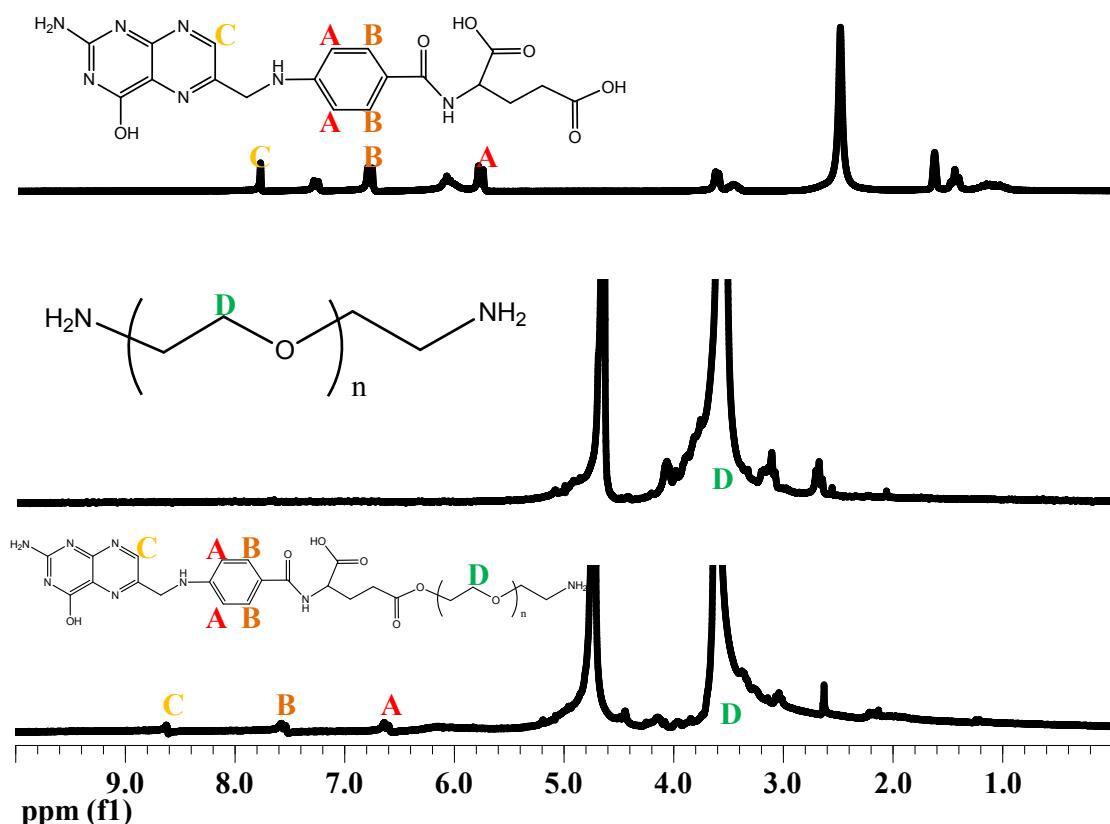


Fig. S1. ¹H-NMR spectra of FA measured in CDCl₃. Peaks A & B are respectively attributed to two protons of benzoic acid groups in folic acid, Peak C to the pteridine proton in folic acid, Peak D to the methylene units in PEG.

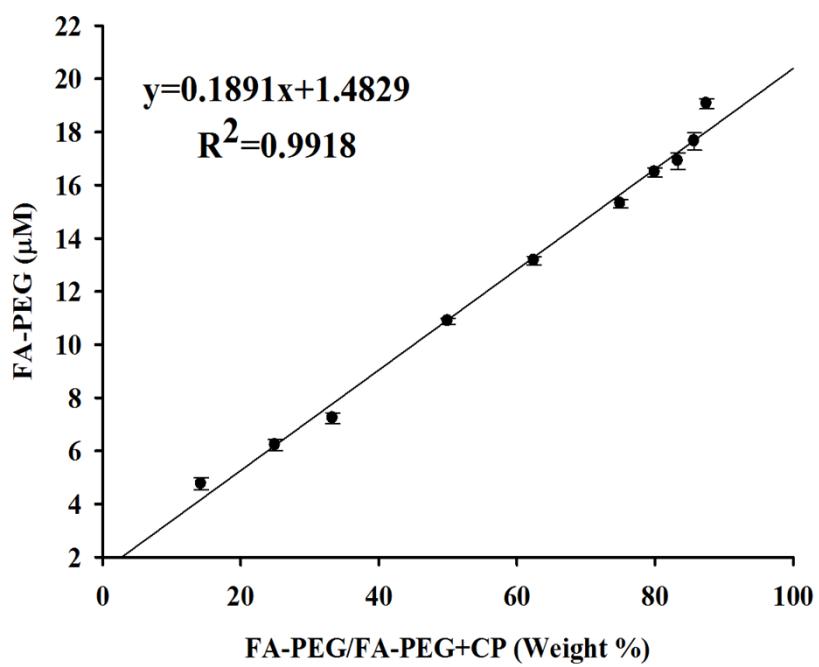


Fig. S2. The FA-PEG concentration of FA-PEG-CP as a function of its weight percent in feed.

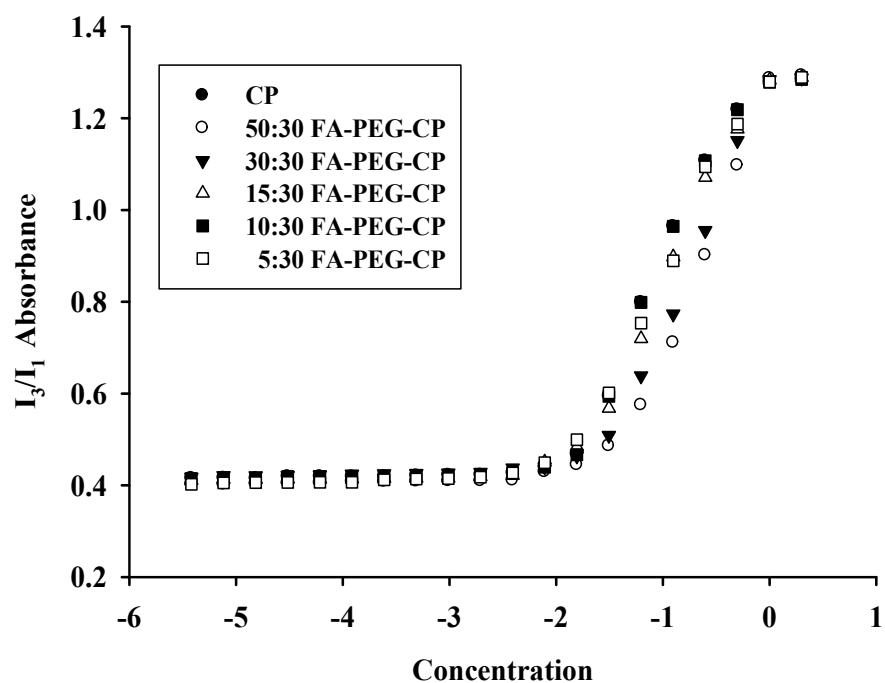
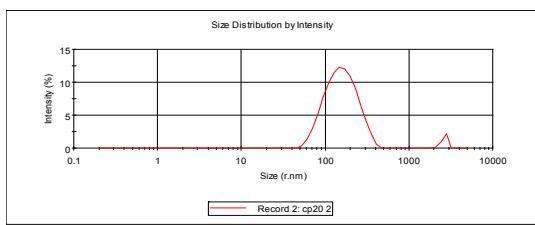


Fig. S3. Plots of the ratios of pyrene intensities at I_3 and I_1 . The intersection of two tangent plots of I_{339}/I_{336} versus log concentrations of the micelle was taken as a CMC value.

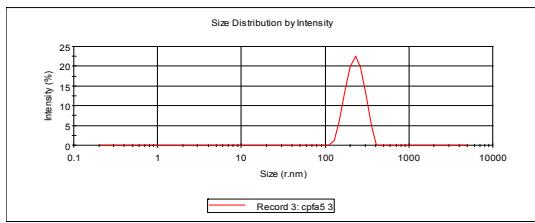


Fig. S4. The appearance of samples at 1 mg/mL in DD water.

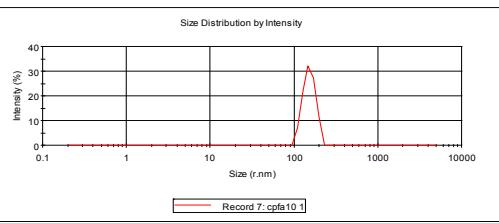
CP



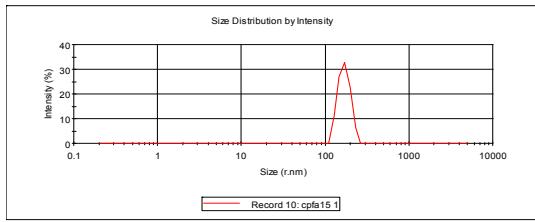
FA-PEG:CP (5:30)



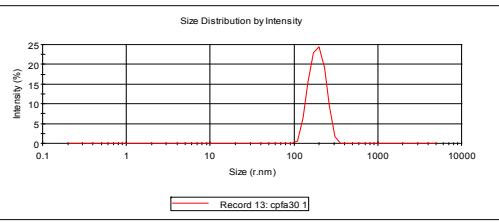
FA-PEG:CP(10:30)



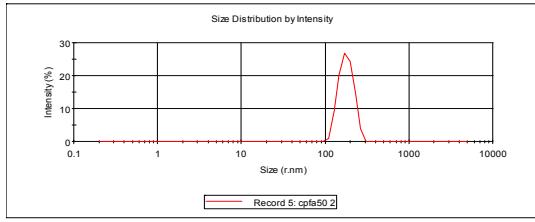
FA-PEG:CP (15:30)



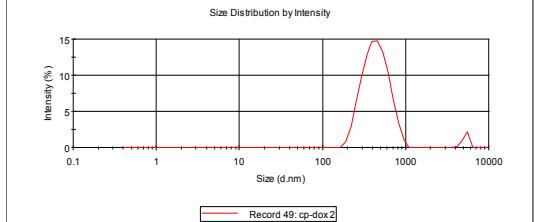
FA-PEG:CP(30:30)



FA-PEG:CP (50:30)



FA-CP-DOX



CP-DOX

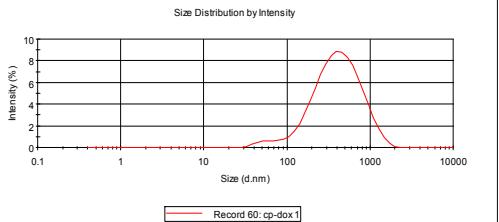


Fig. S5. Dynamic light scattering diagrams of polymers.

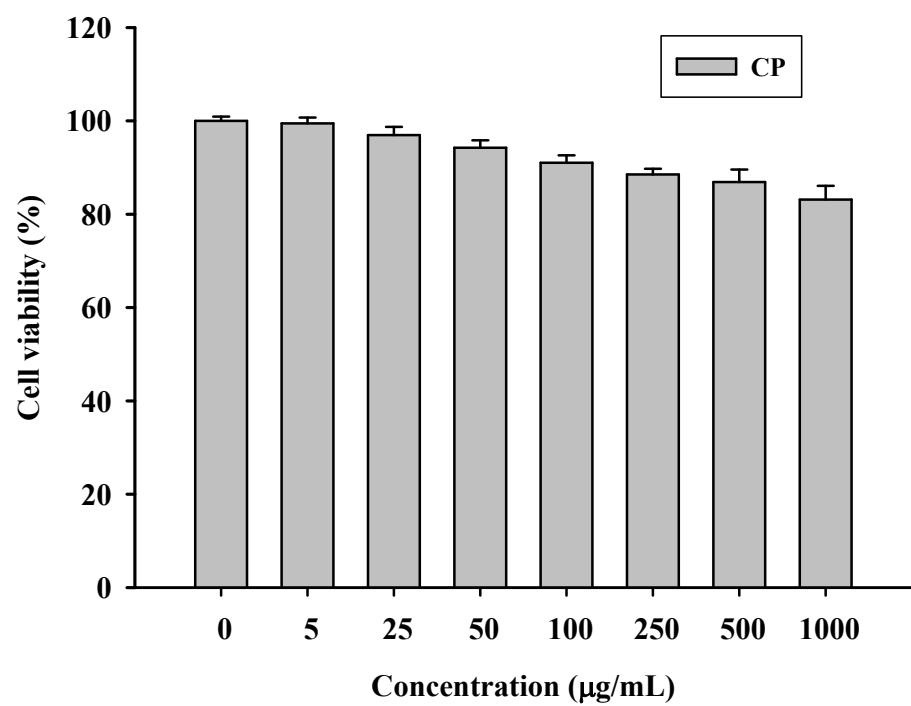
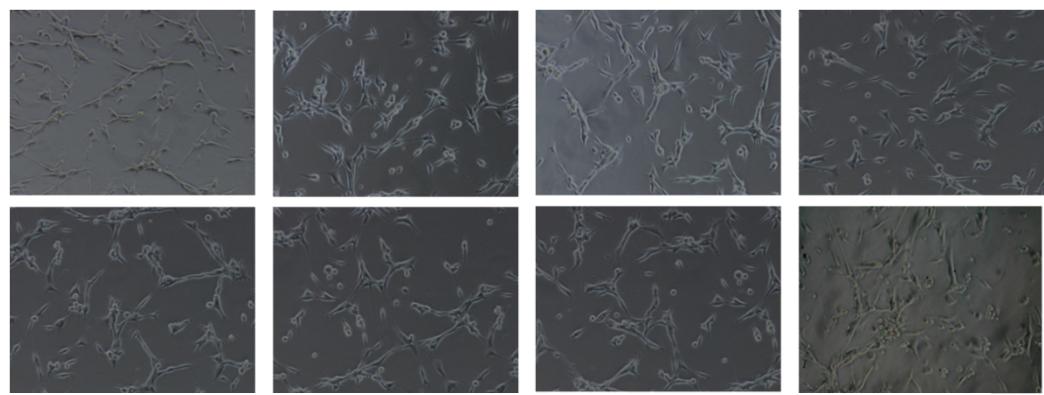
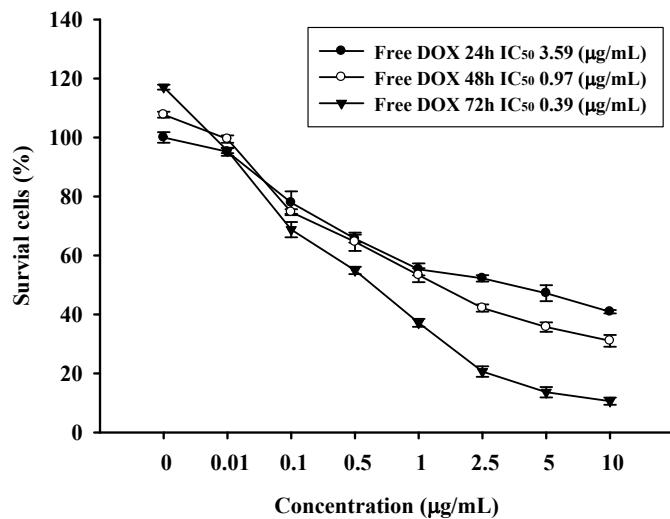
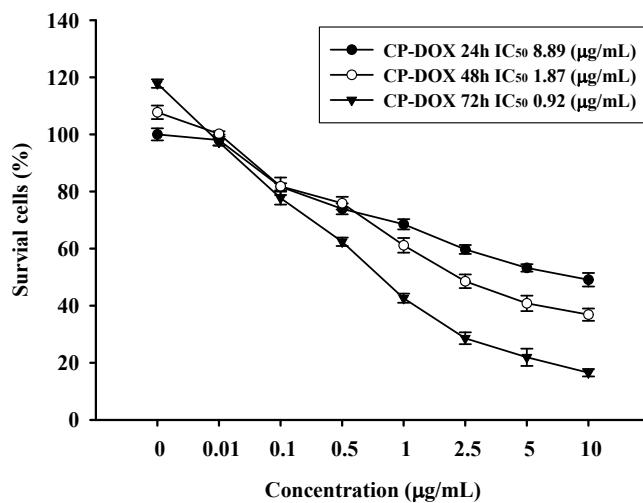


Fig. S6. Cell viability of CP at various concentrations

(a)



(b)



(c)

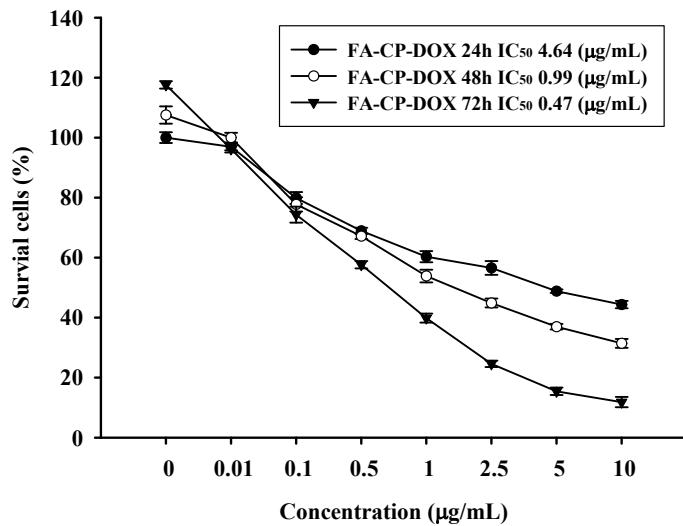


Fig. S7. Cell viability of U87 cells exposed to (a) DOX, (b) CP-DOX, and (c) FA-CP-DOX at 24, 48, and 72 h (n= 8)

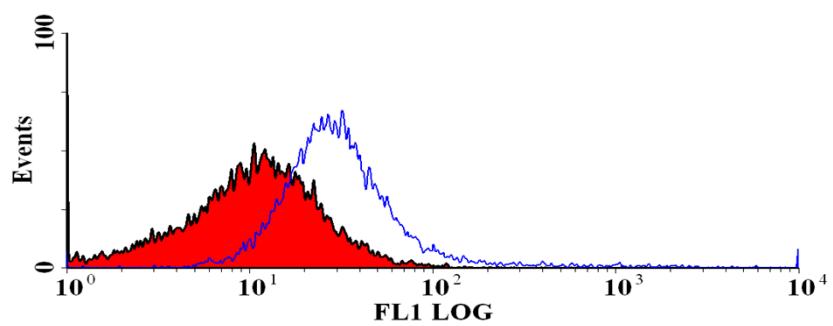


Fig. S8. Flow cytometric diagrams of U87 cells exposed to folate receptor antibody