Article

Branched Poly(*E*-Caprolactone)-Based Copolyesters of Different Architectures And Their Use IN the Preparation of Anticancer Drug-Loaded Nanoparticles

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SUPPLEMENTARY INFORMATION

1. Molecular weight estimation

The molecular weights of the copolymers were estimated by Gel Permeation Chromatography/Size Exclusion Chromatography (GPC/SEC). The analysis was performed by means of a GPC/SEC equipment composed of a Waters 600 high pressure liquid chromatographic pump, Waters Ultrastyragel columns (HR-1, HR-2, HR-4, HR-5), and a Shimadzu RID-10A refractive index detector. Column calibration was performed using polystyrene standards (Mw 1–300k). The concentration of the prepared solutions was 10 mg/700 μL, the injection volume was 200 μL and the flow rate 1 mL/min.
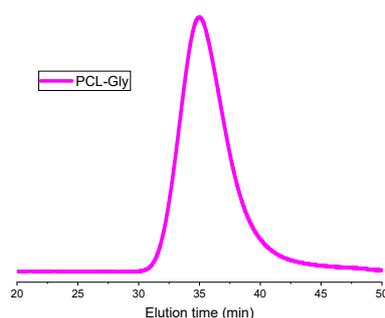

(a)
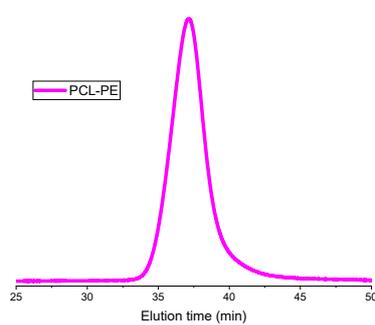
(b)
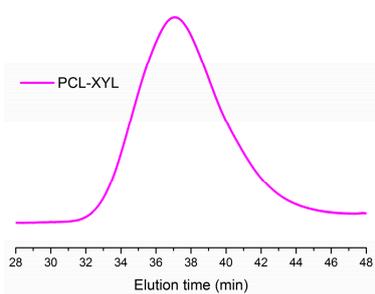
(c)

Figure S1. Size-exclusion (SEC) chromatograms of the prepared copolyesters.

2. Nanoparticles size determination
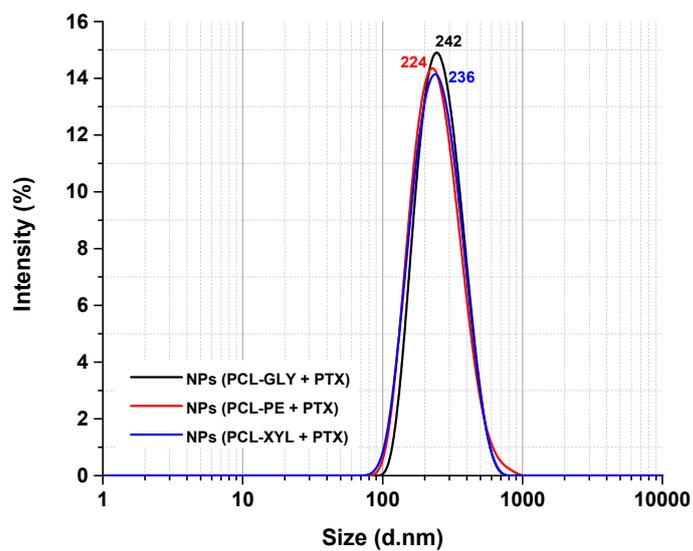
Figure S2. Particle size measurements by dynamic light scattering measurements.