Novel polymeric micelles as enzyme-sensitive and nuclear-targeted dualfunctional drug delivery vehicles for enhanced 9-Nitro-20(S)camptothecin delivery and antitumor efficacy

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Figure S1. ESI-TOF mass spectrum of OH-CH<sub>2</sub>-CH<sub>2</sub>O-Ts (m/z, [M+ Na] <sup>+</sup>): 241.24 (calculated), 242.35 (observed).



Figure S2. The <sup>1</sup>H NMR spectra of OH-CH<sub>2</sub>-CH<sub>2</sub>O-Ts (A), OH-CH<sub>2</sub>-CH<sub>2</sub>O-CHR (B) and CHR-PCL (C).

Samples	WBC (10 <sup>-3</sup> /µL)	RBC (10 <sup>6</sup> /µL)	PLT (10 <sup>6</sup> /µL)
1	9.6±0.678	5.24±0.867	453±8.643
2	$9.8 \pm 0.987$	6.35±0.984	609±9.543
3	56±5.676	6.48±0.654	1083±9.766
4	99.7±4.532	7.68±0.565	1320±19.678
Normal range	2.3~31.6	2.2~15	270~1100

Table S1. Serum biochemistry data reflecting the health of mice, white blood cell count (WBC), red blood cell count (RBC) and blood platelet count (PLT).

1: Control.

2: 9-NC/HATPC micelles

3: Free 9-NC.

4: Saline.