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Screening of pH-responsive and long circulating polysaccharide-drug conjugate nanocarriers for anti-tumor applications

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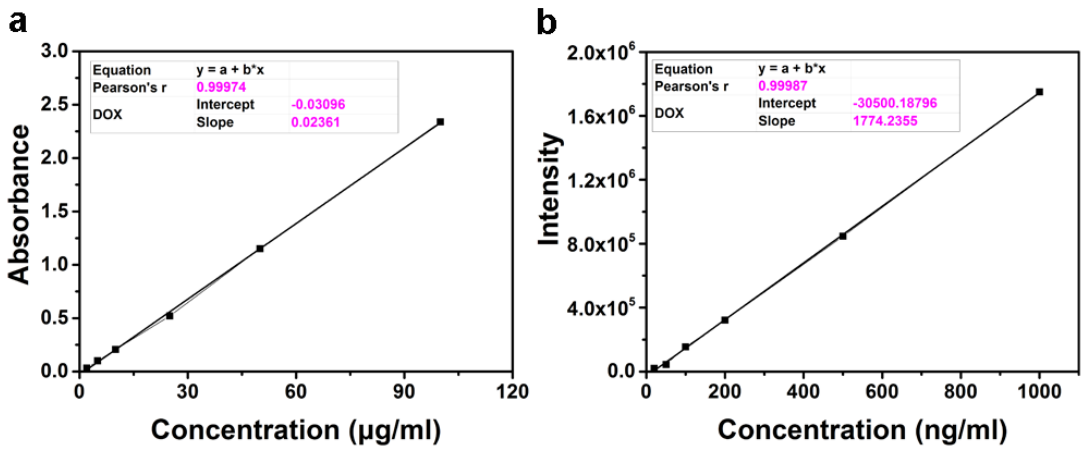

Figure S1 (a) The calibration curves of Dox (based on UV-Vis). (b) The calibration curves of CPT and Dox (based on Fluorescence emission).

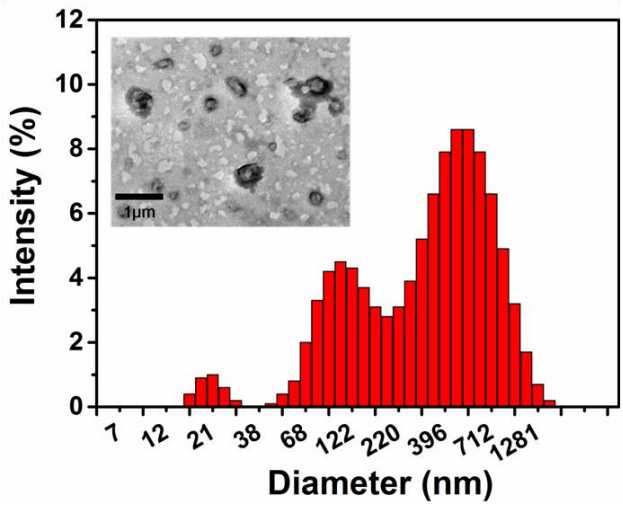

Figure. S2 TEM microimage and D_hs of Dex_{40k}-Dox

	Oxidation degree (mmol/g)	Drug loading capacity (%)	Stability of nanoparticles
Alg-LV	0.21	0.56%	NA
Alg-HV	0.23	0.64%	NA
HA-TLM	1.22	1.50%	NA
HA-THM	1.45	1.72%	NA
Dex_{6k}	2.75	9.60%	√
Dex_{40k}	2.85	11.20%	×
Dex_{150k}	3.13	10.40%	√

Table. S1 Comparison of oxidation degree, drug loading and particle size stability of different systems
Alg-LV (low viscosity sodium alginate); Alg-HV high viscosity sodium alginate; HA-TLM (Low molecular weight sodium hyaluronate); HA-THM (High molecular weight sodium hyaluronate); NA (not available).