Electronic Supplementary Material (ESI) for Biomaterials Science.

Topical delivery of chemotherapeutic drugs using nanohybrid hydrogel to inhibit post-surgical tumour recurrence

Chendan Liu, Yudi Ma, Song Guo, Bingfang He, Tianyue Jiang*

School of Pharmaceutical Sciences, Nanjing Tech University, Nanjing 211816, China

Table S1. Components of different DTX formulations.

Formulation	DTX	Phospholipid	Surfactant		
			sodium deoxycholate	Span 80	Tween 80
F0	+	+	-	-	-
F1	+	+	+	-	-
F2	+	+	-	+	-
F3	+	+	-	-	+
F4	+	+	+	-	+
F5	+	+	-	+	+

Table S2. Characterization of different DTX formulations.

Formulation	Size (nm)	Polydispersity index	Zeta potential (mV)
F0	74.8 ± 1.2	0.275 ± 0.006	-4.8 ± 0.2
F1	93.5 ± 1.2	0.362 ± 0.059	-52.5 ± 1.0
F2	94.7 ± 8.5	0.242 ± 0.016	-3.1 ± 0.3
F3	68.1 ± 0.8	0.256 ± 0.007	-0.5 ± 0.3
F4	70.5 ±1.7	0.384 ± 0.046	-37.8 ± 0.8
F5	73.1 ± 1.0	0.279 ± 0.007	-3.2 ± 0.3

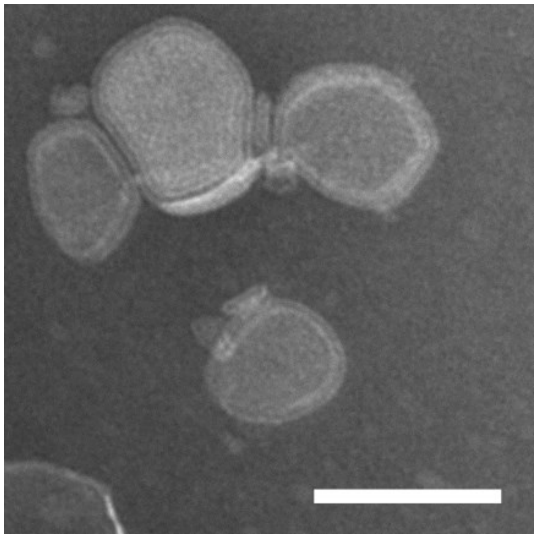

Figure S1. The TEM image of DTX/CTs. Scale bar is 100 nm.

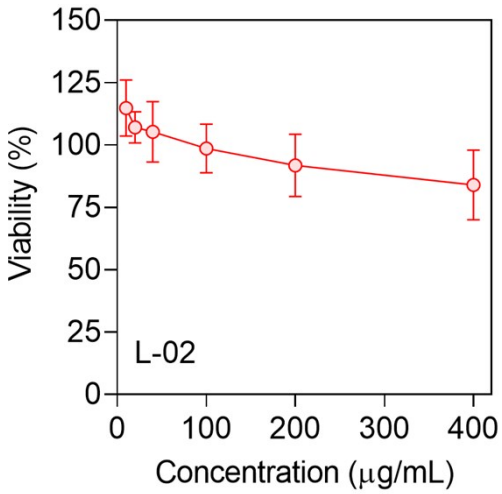

Figure S2. Viability of L-02 cells after treatment with different concentrations of the bare CTs for 24 h.