

Supporting Information

An Injectable Self-Healing Hydrogel “Trojan Horse” for Adjunctive Therapy of Colon Cancer Recurrence

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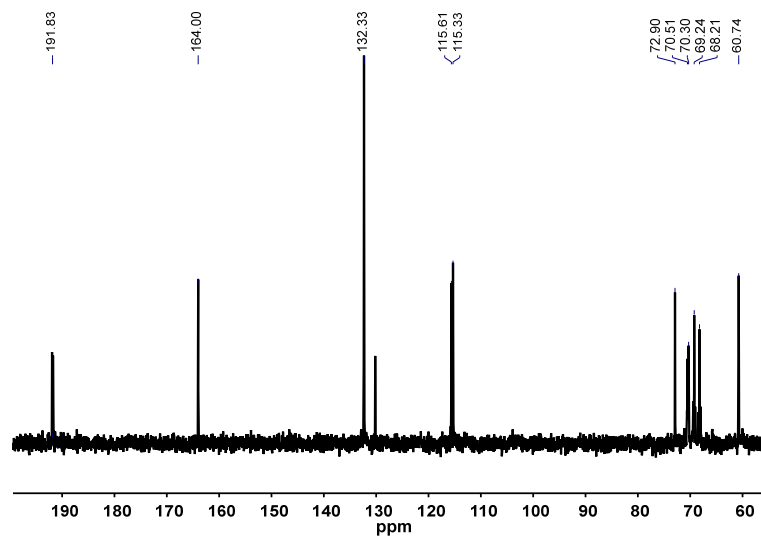


Fig. S1 ^{13}C NMR spectrum (DMSO- d_6 , 400 MHz) of molecule M1.

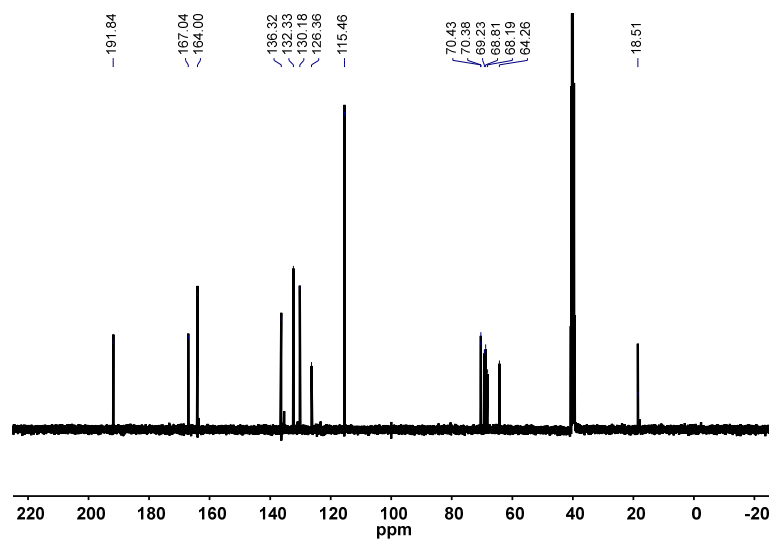


Fig. S2 ^{13}C NMR spectrum (DMSO- d_6 , 400 MHz) of molecule M2.

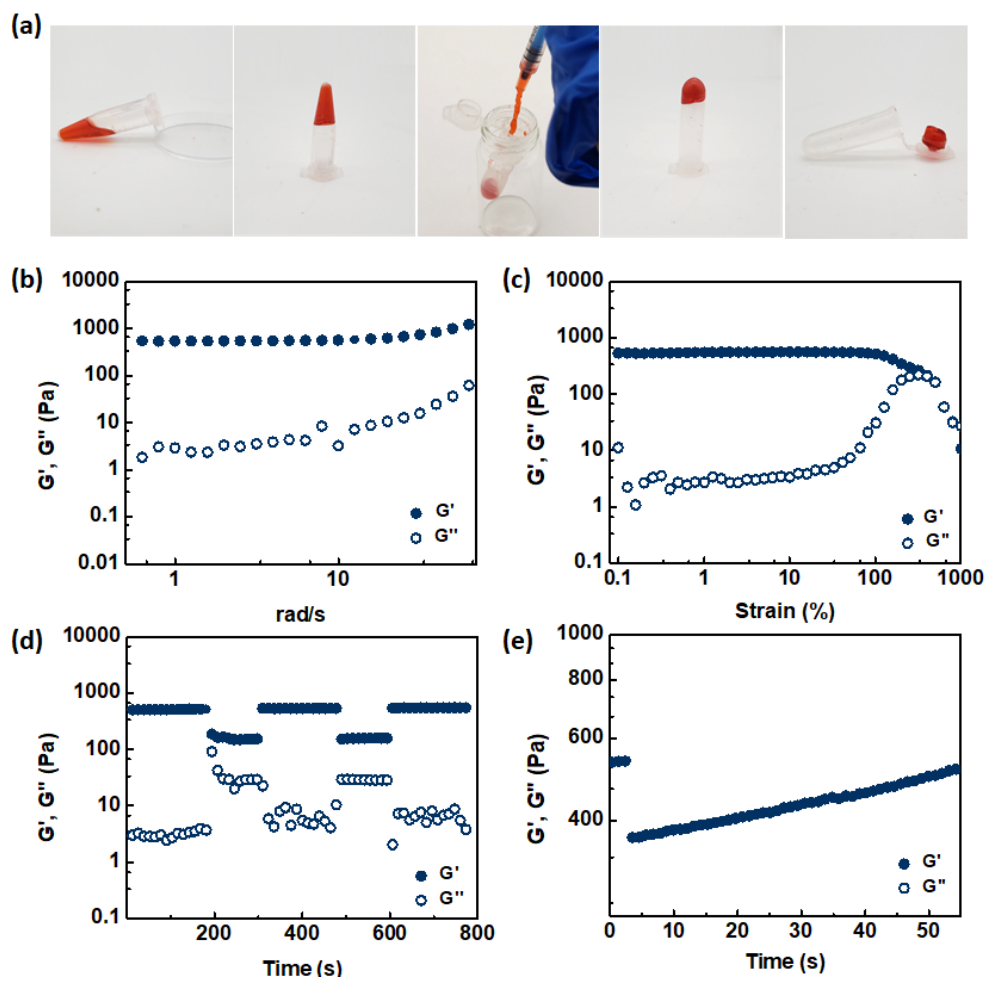


Fig. S4 (a) Transformation experiment; (b) storage moduli (G') and the loss moduli (G'') during gelation process; (c) G' , G'' on strain sweep (strain% 0.1~1000); (d) step-changing tests; (e) self-healing process of the DOX-loaded hydrogel.

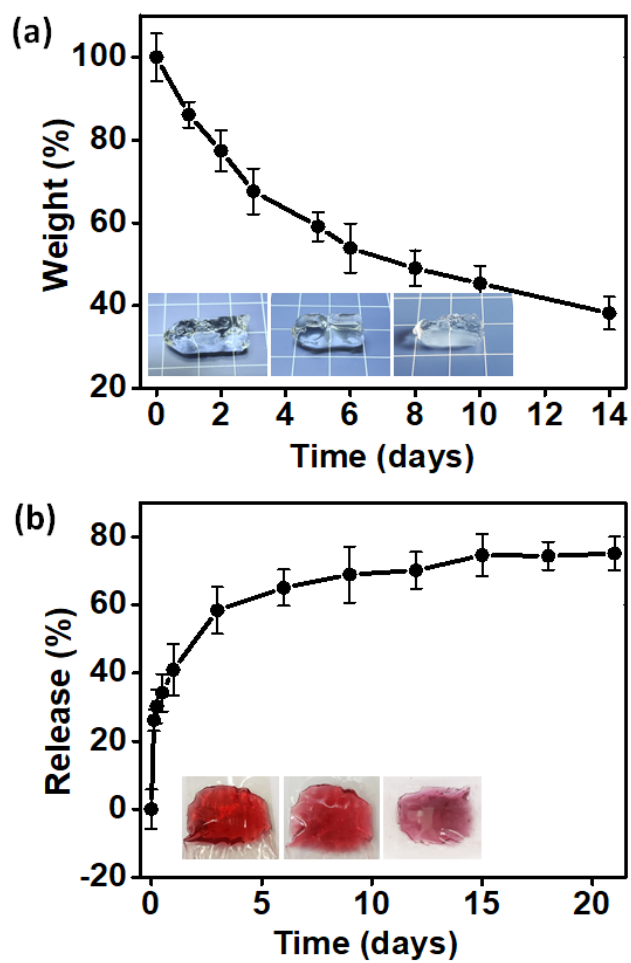


Fig. S5 *In vitro* degradation of the hydrogel (a) and controlled release of DOX (b) from the hydrogel, mean \pm SD ($n = 6$).

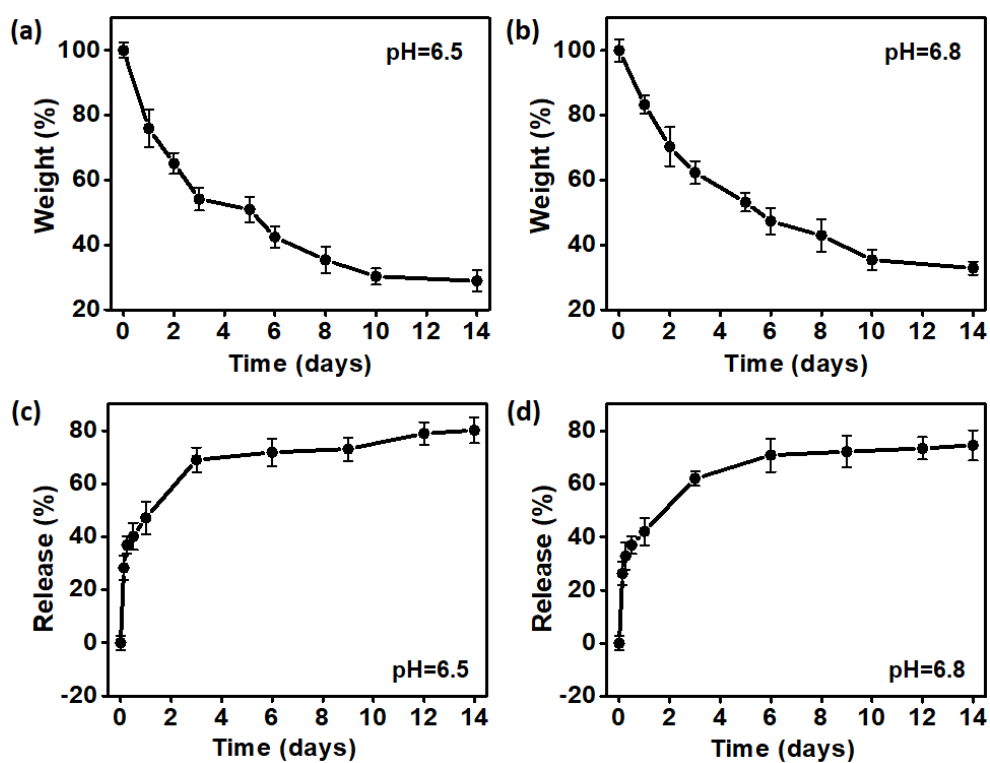


Fig. S6 *In vitro* degradation of the hydrogel and controlled release of DOX from the hydrogel under pH=6.5 (a, c) & 6.8 (b, d), mean \pm SD ($n = 6$).

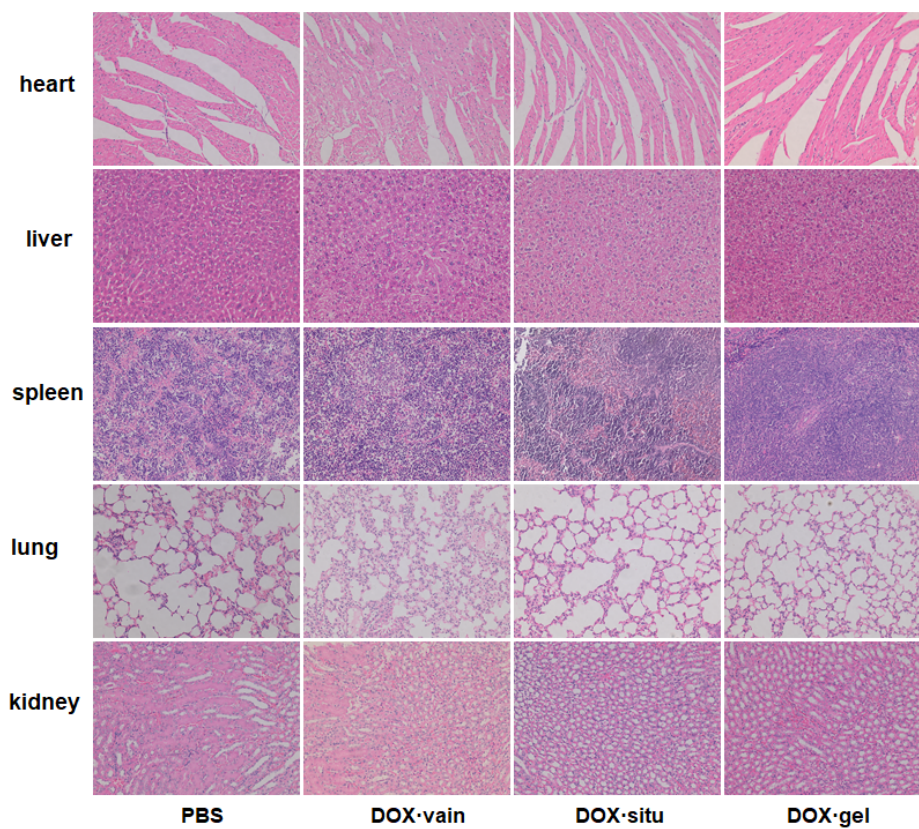


Fig. S7 H&E staining of dissected organs including heart, liver, spleen, lung and kidney on day 14 for PBS, DOX·vain, DOX·situ and DOX·gel group.

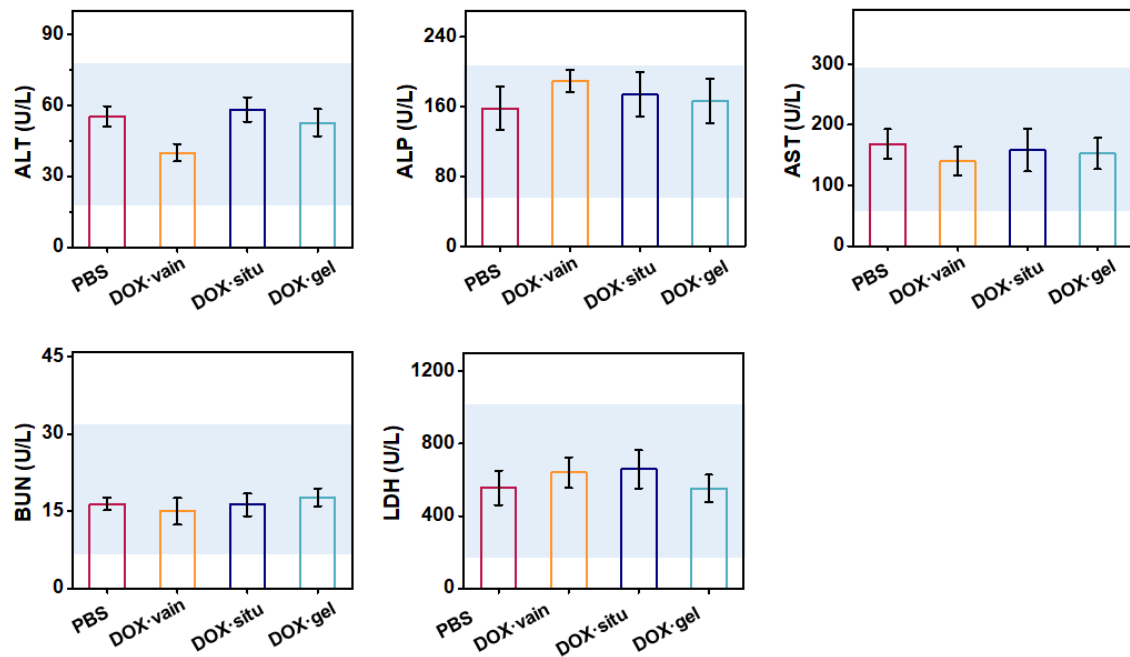


Fig. S8 Biosafety evaluation via serum biochemical parameter detection. All the markers including aspartate aminotransferase (AST), alanine aminotransferase (ALT), blood urea nitrogen (BUN), lactic dehydrogenase (LDH), and alkaline phosphatase (ALP) were within normal ranges, mean \pm SD ($n = 6$).