

Supporting Information

***In situ* generation of sodium alginate/hydroxyapatite/halloysite nanotubes nanocomposite hydrogel beads as drug-controlled release matrices**

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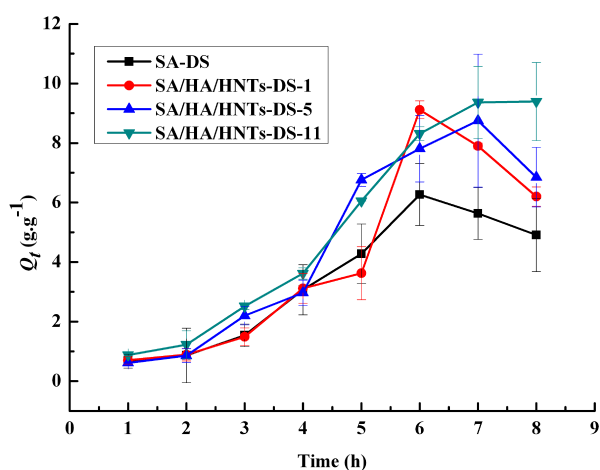


Fig. S1 Variation of swelling ratio of SA-DS and SA/HA/HNTs-DS nanocomposite beads with swelling time in pH 5.0 PBS.

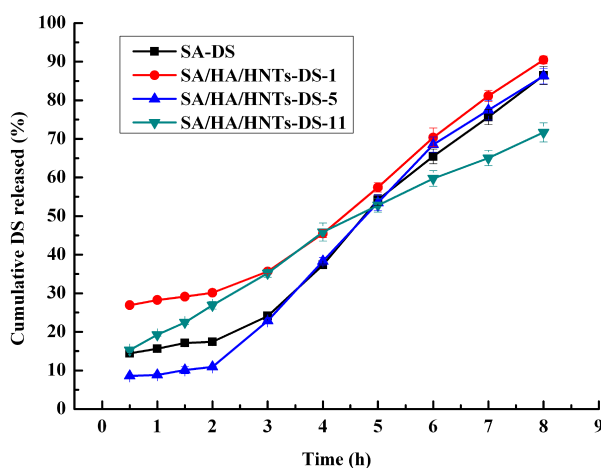


Fig. S2 Cumulative release profiles of SA-DS and SA/HA/HNTs-DS nanocomposite beads in pH 5.0 PBS.

Table S1. Chemical composition of HNTs obtained from XRF.

	Content / %
Al ₂ O ₃	40.4
SiO ₂	54.6
SO ₃	1.8
K ₂ O	0.654
CaO	0.27
TiO ₂	0.29
Fe ₂ O ₃	1.50

Table S2. Solubility of DS in pH 2.1, 5.0 and 7.4 PBS at 37±0.5°C.

pH of PBS	2.1	5.0	7.4
Solubility / % ^a	0	0.09	2.03

^a Solubility / % = the DS content /the solvent content × 100%