

## Tunable thermosensitive behavior of multiple responsive chitin

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### FT-IR and <sup>1</sup>H-NMR of Acrylamide-modified Chitin

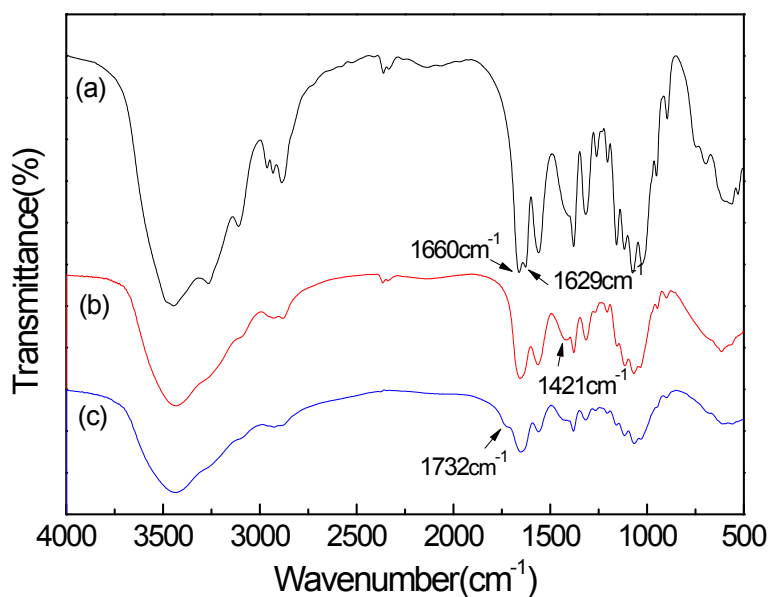


Fig. S1 FT-IR spectra of original chitin(a), acrylamide-modified chitin(AMC3) (b) and acrylamide-modified chitin hydrogel(AMCH3) (c).

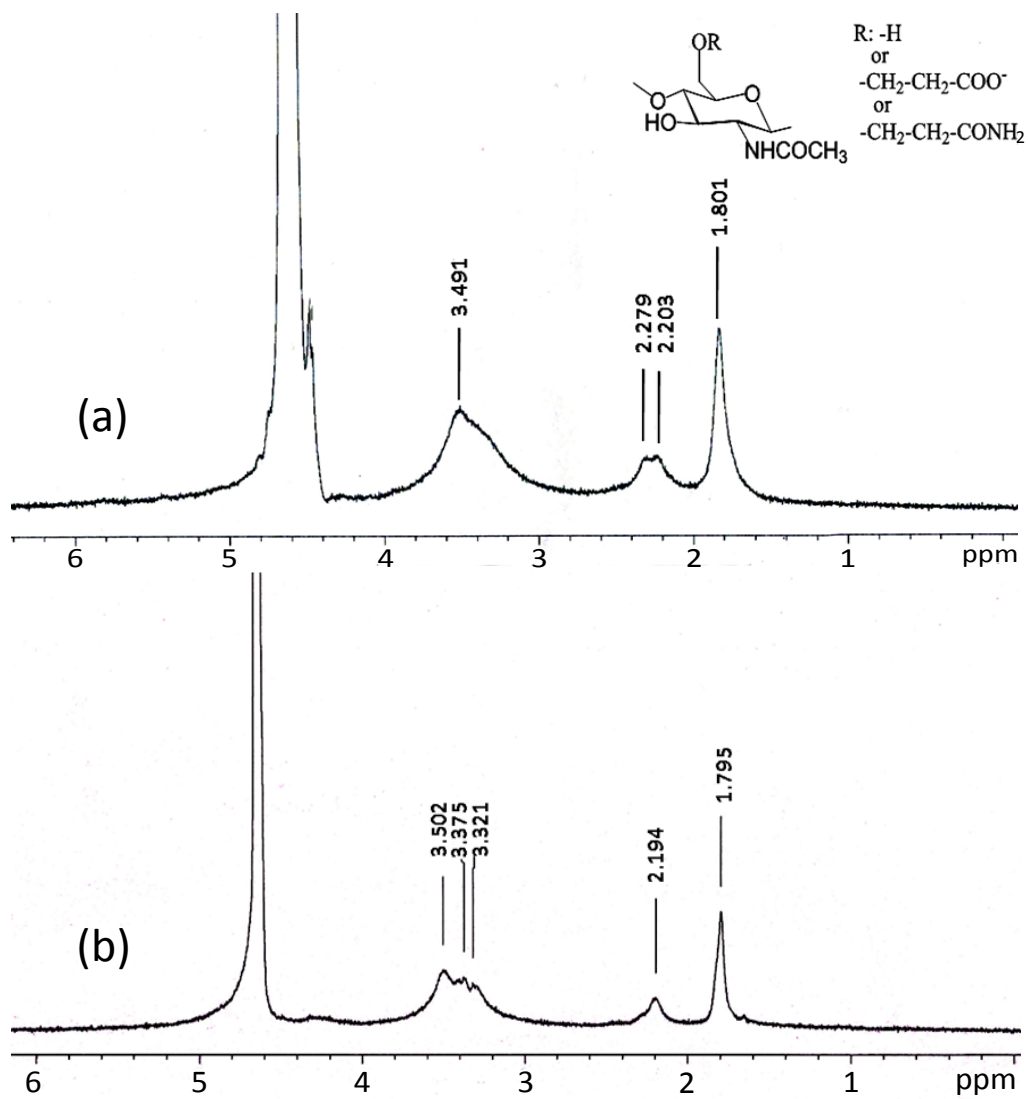


Fig. S2 <sup>1</sup>H-NMR spectrum of acrylamide-modified chitin (a) and hydrolyzed acrylamide-modified chitin (b).