

## Supplementary Material

### Synthesis and controlled curcumin supramolecular complex release from pH-sensitive modified gum-arabic-based hydrogels

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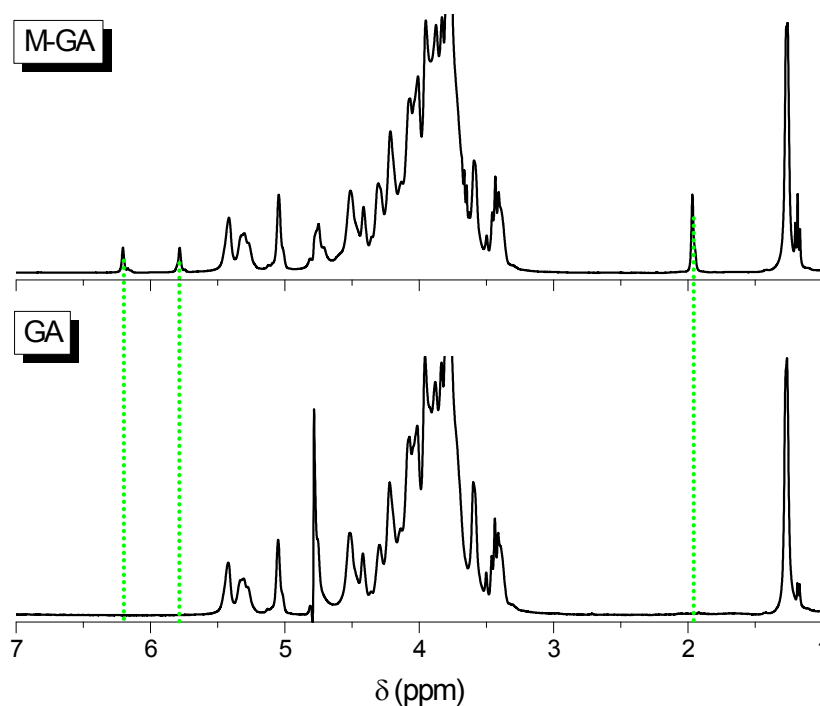
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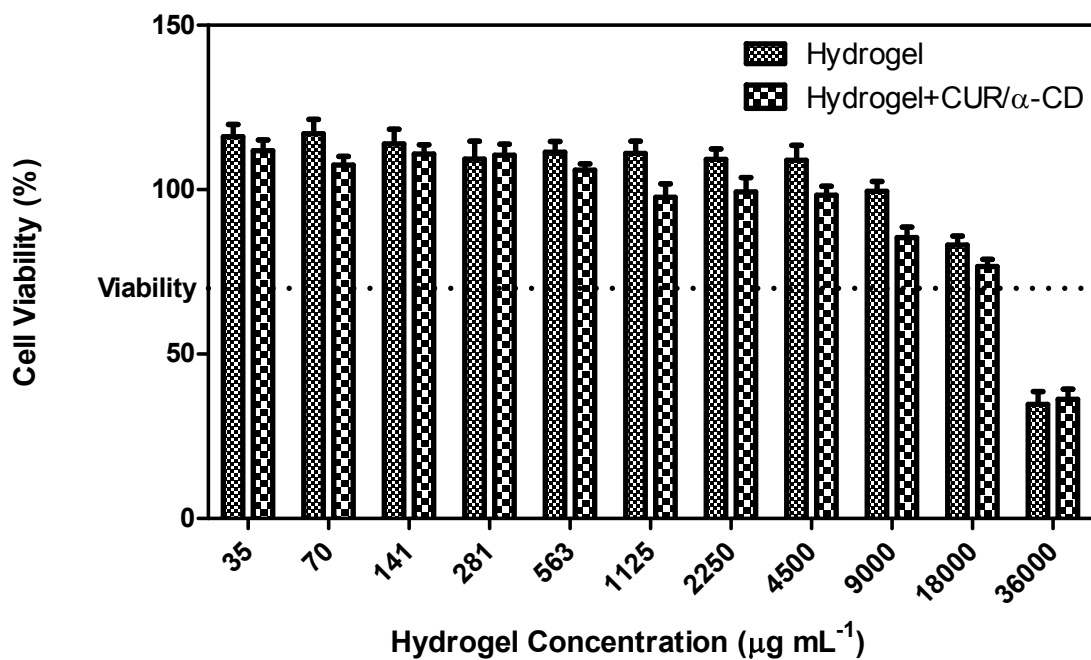
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**Figure S1.** <sup>1</sup>H NMR spectra of GA and GAM in D<sub>2</sub>O at 25.0 °C.



Figure

**Figure S2.** Viability of the Caco-2 cells exposed to hydrogel and hydrogel/CUR/ $\alpha$ -CD for 24 h to various concentrations of hydrogel (0-36000  $\mu\text{g mL}^{-1}$ ). The cell viability was determined by MTT assay. Values represent the mean  $\pm \sigma_M$  of three different experiments in triplicate ( $P < 0.05$ )