

**Supplementary Information for RSC Advances**

***In vitro* and *in vivo* assessment of novel pH-sensitive interpenetrating polymer networks of graft copolymer for gastro-protective delivery of ketoprofen**

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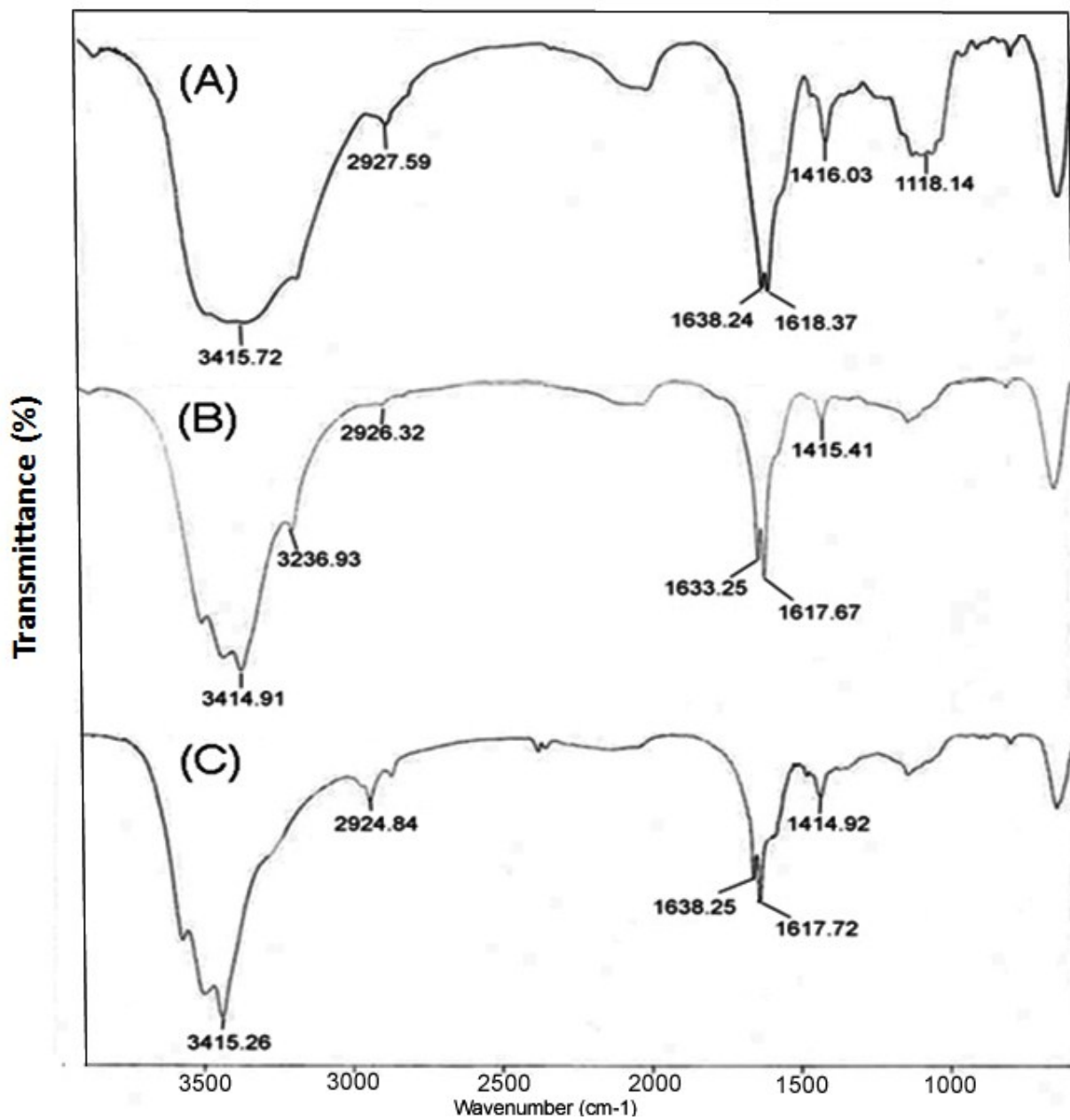
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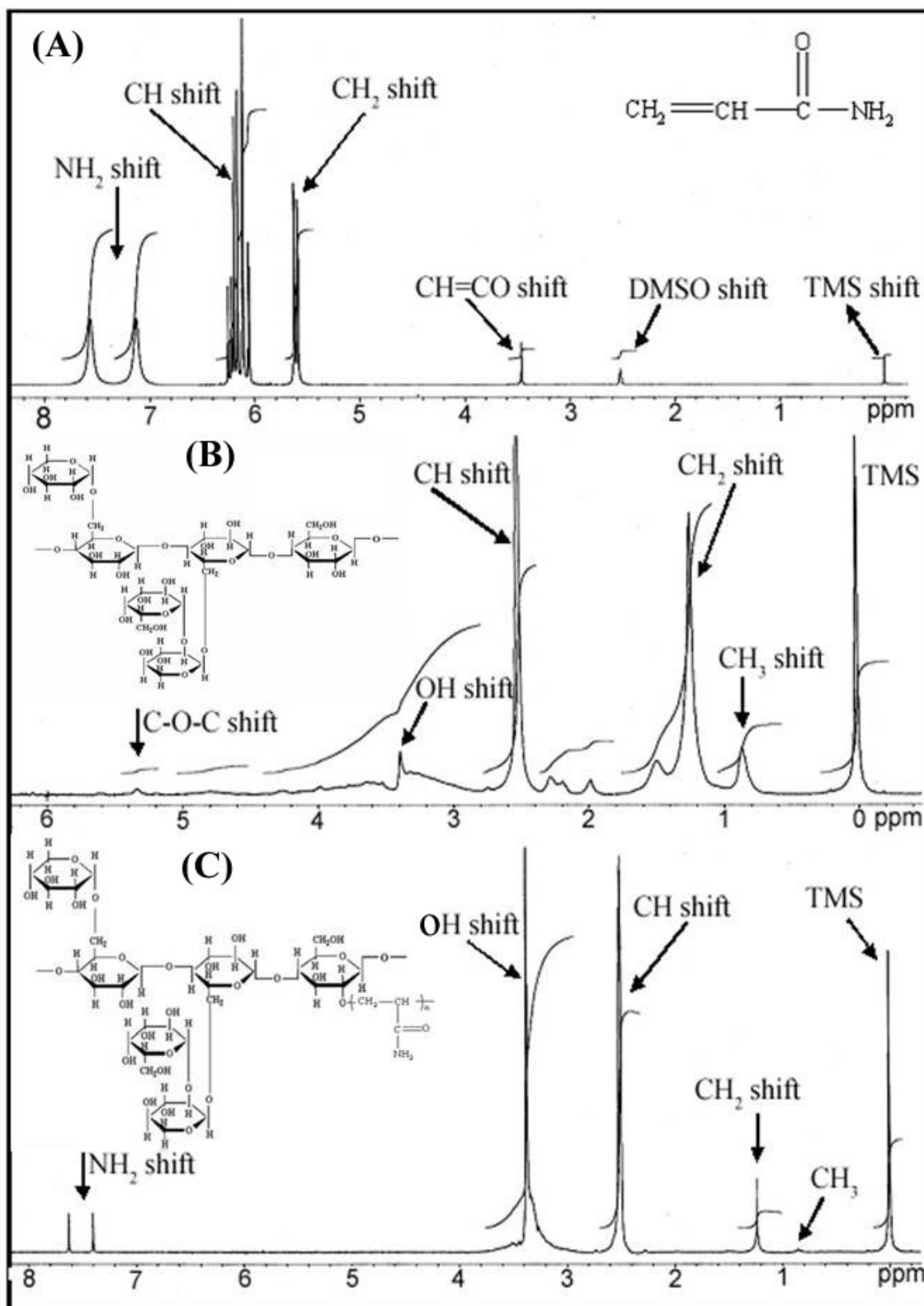
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**Fig. S1.** FTIR spectra of TSP (A), PAAm-g-TSP (B) and hydrolyzed PAAm-g-TSP (C)



**Fig. S2.**  $^1\text{H-NMR}$  spectra of AAm (A), TSP (B) and PAAm-g-TSP (C)