



Supplementary

Coacervate Thermoresponsive Polysaccharide Nanoparticles as Delivery System for Piroxicam

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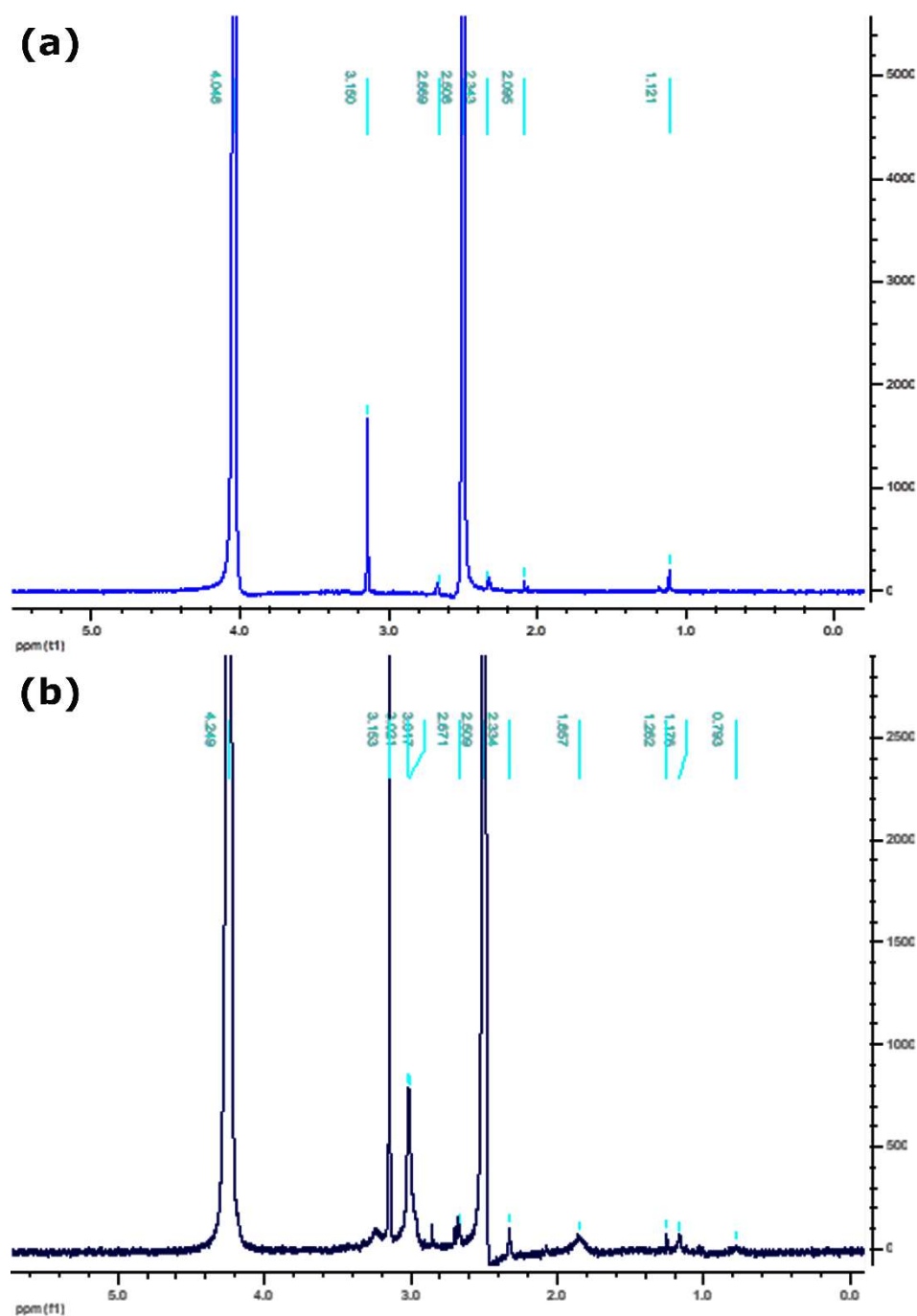


Figure S1. ^1H -NMR spectra of CUR (a) and C-CUR (b) ($c = 1.5 \text{ mg/mL}$ in D_2O)

Table S1. Substitution degrees for the cationic curdlan (C-CUR).

Material	Degree of substitution (DS %) (based on ^1H NMR spectrum)	Degree of substitution (DS %) (based on conductivity measurements - Cho method)
C-CUR	8.9 ± 1.98	11.2 ± 1.11

Table S2. Substitution degrees for the anionic hydroxypropylcellulose (A-HPC).

Material	Degree of substitution (DS %) (based on elemental analysis)	Degree of substitution (DS %) (based on XPS spectrum)
A-HPC	29.0 ± 9.81	19.2 ± 2.21

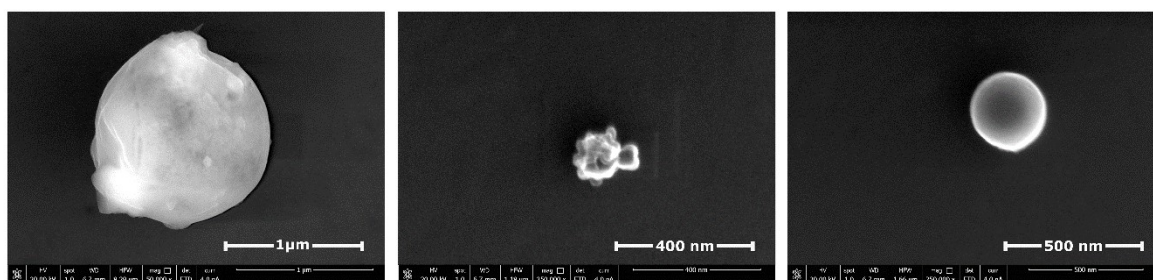


Figure S2 SEM images of the particles obtained for various C-CUR/A-HPC compositions. From the left: C-CUR/A-HPC ratio of: 1:1, 1:10 and 1:25.