

Supplementary Materials

# Ibuprofen Diffusion and L929 Cells' Encapsulation in TEMPO-Nanocellulose Hydrogels

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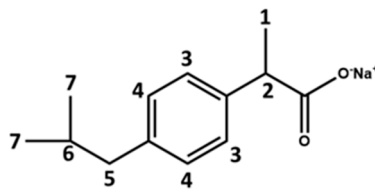


Figure S1. Ibuprofen chemical structure.

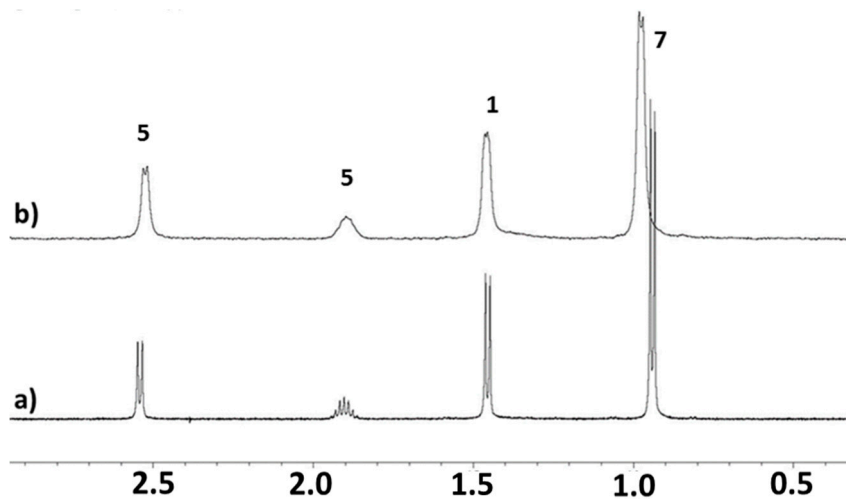
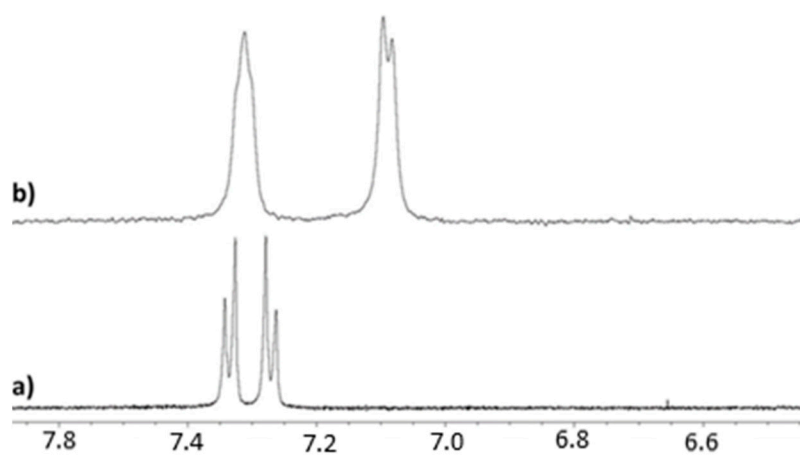
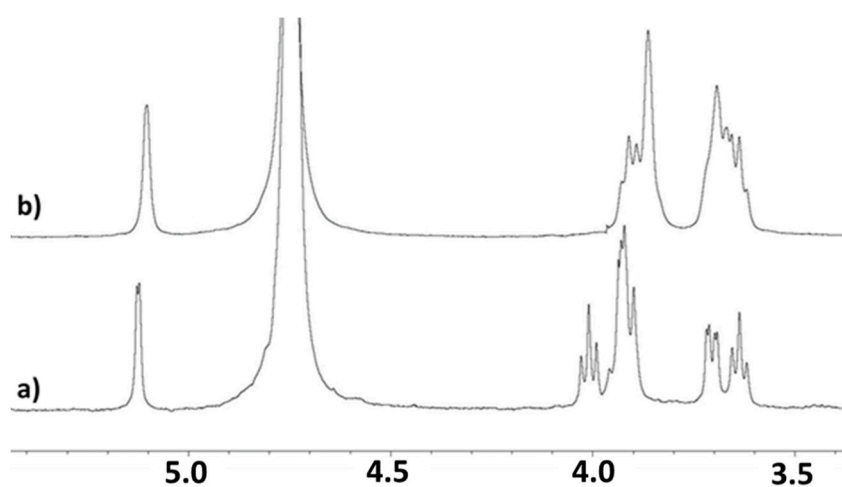


Figure S2. Zoom of <sup>1</sup>H high-resolution magic angle spinning nuclear magnetic resonance (HR-MAS) spectra of: (a) ibuprofen (IB); (b) IB/β-cyclodextrin (β-CD) (1:1) complex loaded in C1 hydrogel.



**Figure S3.** Zoom of <sup>1</sup>H HR-MAS spectra of: (a) IB; (b) IB/ $\beta$ -CD (1:1) complex loaded in C1 hydrogel.



**Figure S4.** Zoom of <sup>1</sup>H HR-MAS spectra of: (a)  $\beta$ -CD; (b) IB/ $\beta$ -CD (1:1) complex loaded in C1 hydrogel.



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