

Synthesis and Properties of New Multilayer Chitosan@layered Double Hydroxide/Drug Loaded Phospholipid Bilayer Nanocomposite Bio-hybrids

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Supplementary Information

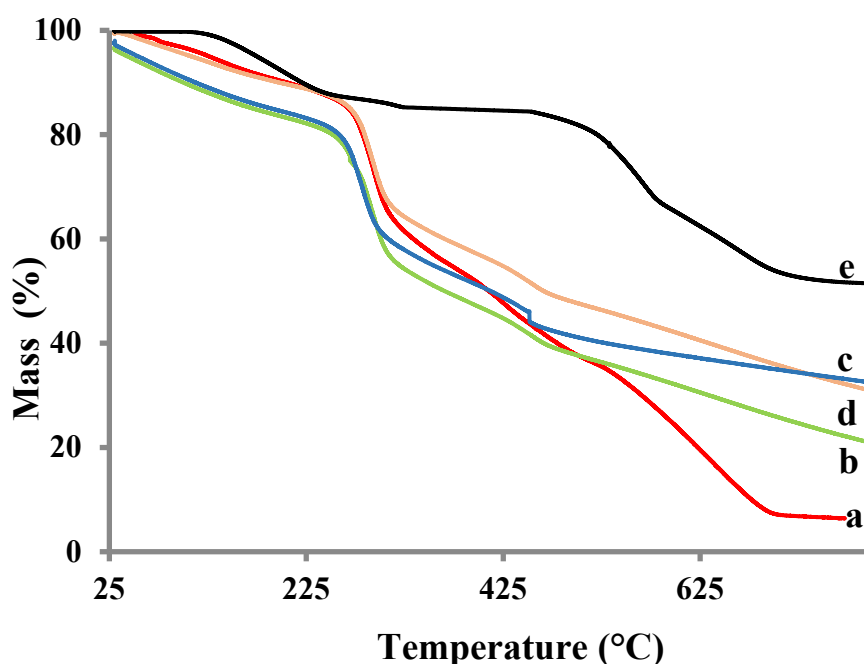


Figure S1. TG profile of pure C (a), C-LDH(2) beads (b), C-LDH(1) beads (c), C-LDH(0.5) beads (d) and Mg/Al-NO₃ LDH (e).

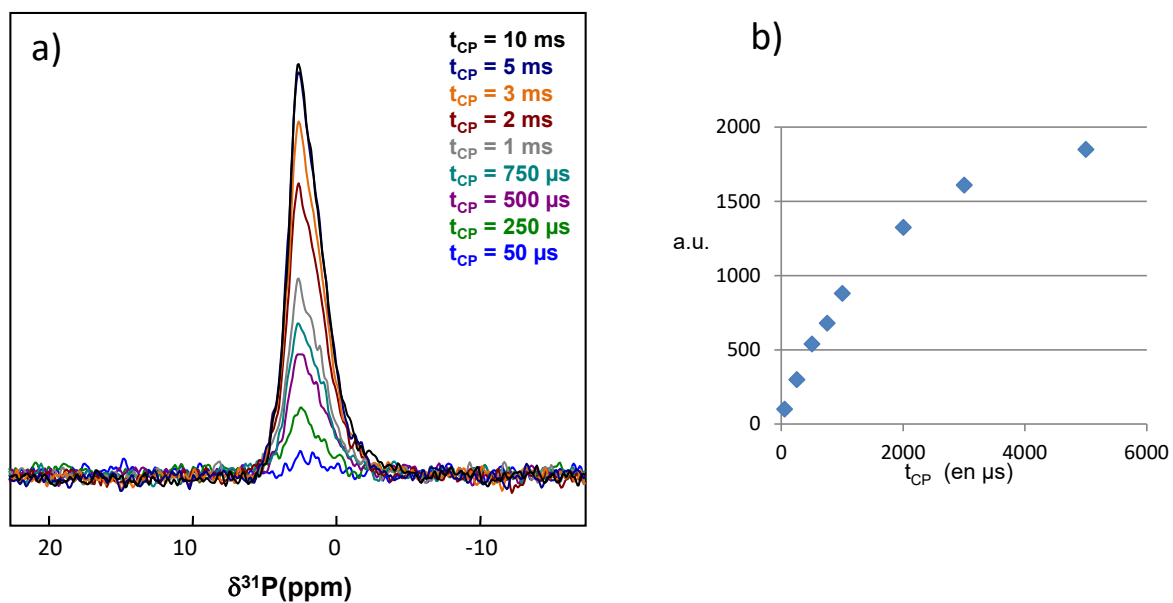


Figure S2. (a) Variable contact time ^{31}P CP MAS experiment for LDH-BL and (b) the corresponding evolution of the ^{31}P signal intensity as a function of the contact time

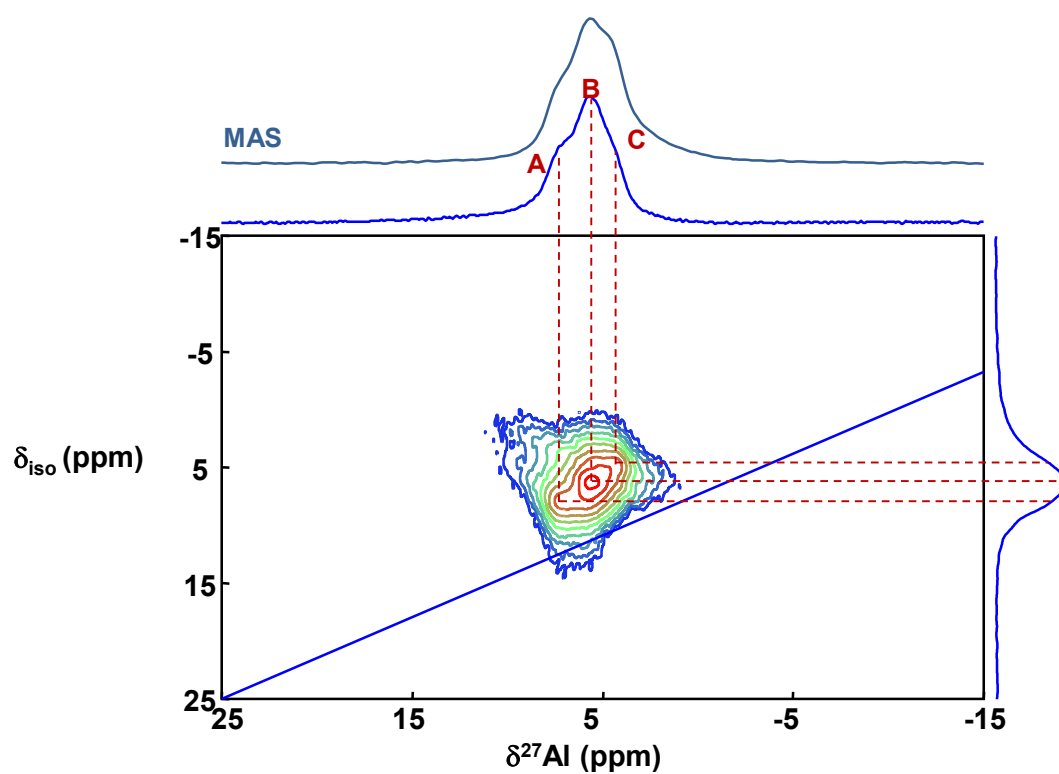


Figure S3. ^{27}Al MQ MAS NMR spectrum of LDH-BL

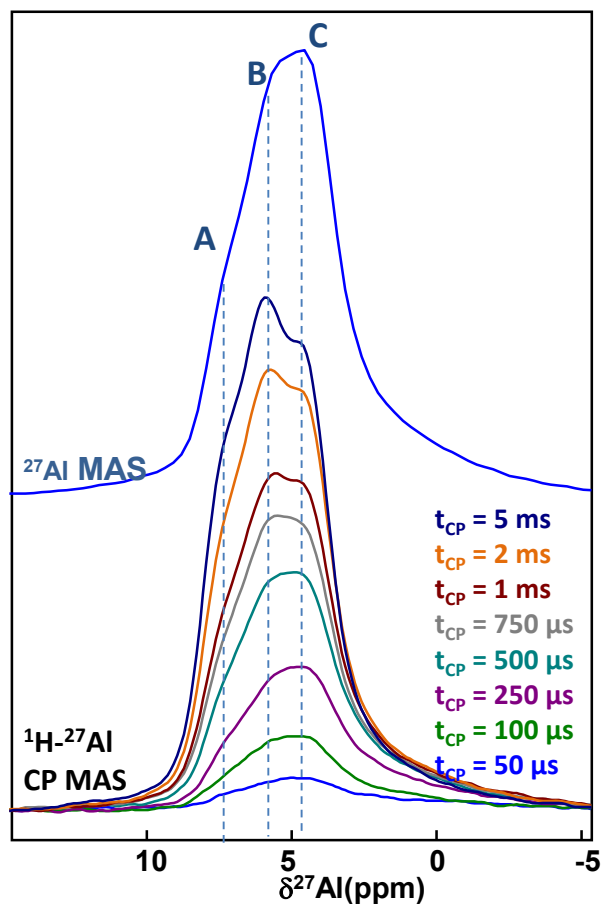


Figure S4. One dimensional $^1\text{H}-^{27}\text{Al}$ CP MAS spectra of LDH-BL recorded at various contact times and comparison with the ^{27}Al MAS spectrum.

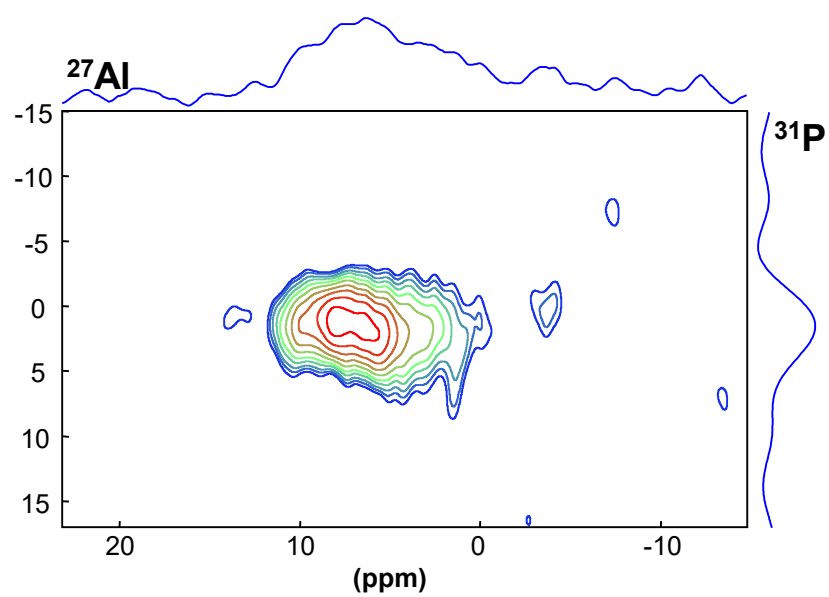


Figure S5. Two dimensional ^{27}Al - ^{31}P CP MAS spectrum ($t_{\text{CP}} = 2.5$ ms) of LDH-BL