Supporting Information

Implication of water molecules at the silica – ibuprofen interface in silica-based drug delivery systems obtained through incipient wetness impregnation

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Figure S1

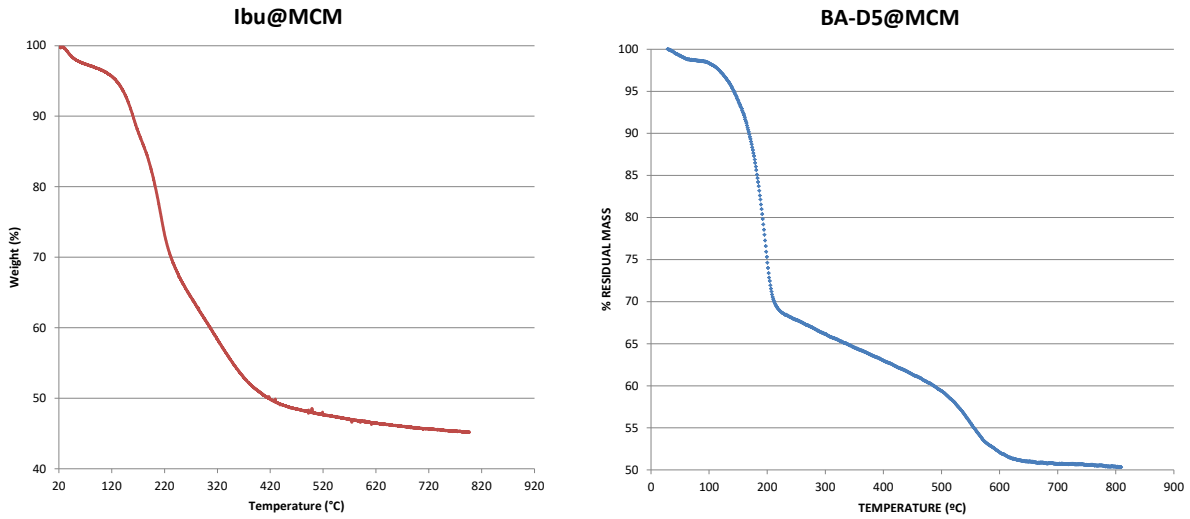

Figure S1: TGA measurements of Ibu@MCM, and BA-D5@MCM.

Figure S2

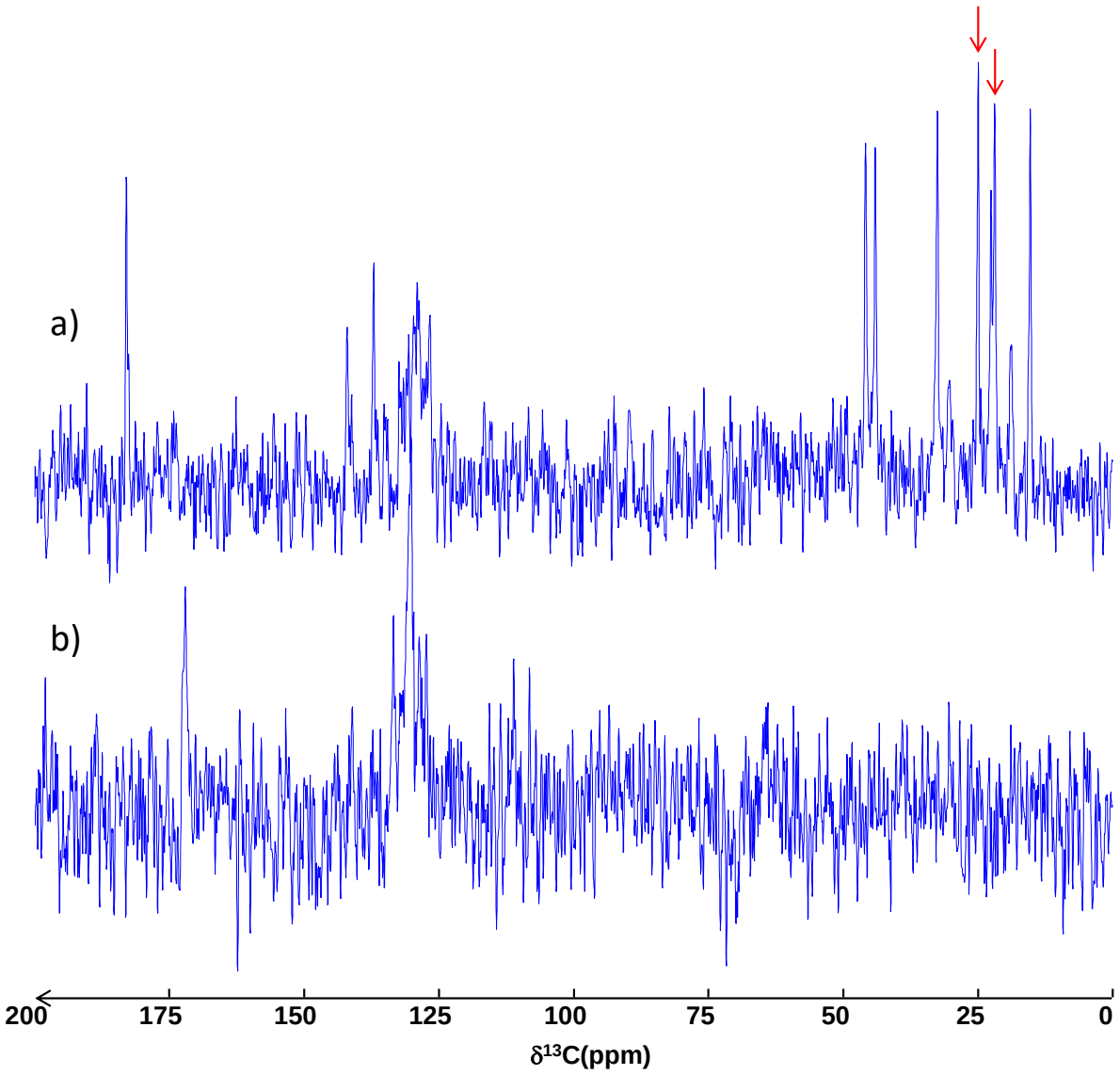

Figure S2: ^{13}C CP MAS spectra of a) Ibu@MCM and b) BA@MCM after one night of equilibration in a 75% humidity controlled atmosphere. Red arrows indicate the typical ^{13}C resonances of CH_3 from isopropyl group of crystalline ibuprofen (see Azaïs et al. Chem. Mater. 2006, 18, 6382-6390).

Figure S3

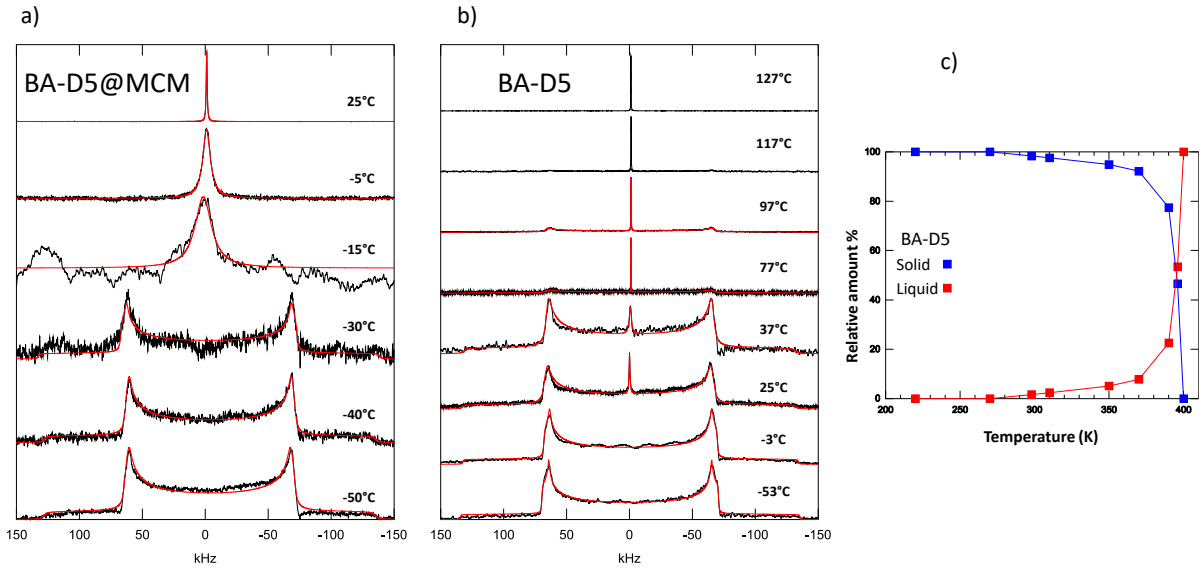

Figure S3: Variable temperature ^{2}H static NMR spectra of a) BA-D5@MCM and b) bulk deuterated benzoic acid BA-D5 and the corresponding fittings in red; c) evolution of the proportion of solid (blue) and liquid (red) benzoic acid BA-D5 as a function of the temperature obtained through the fitting.