

Supplementary Information

A new microfluidic setup for precise control of polymer nanoprecipitation process and lipophilic drug encapsulation

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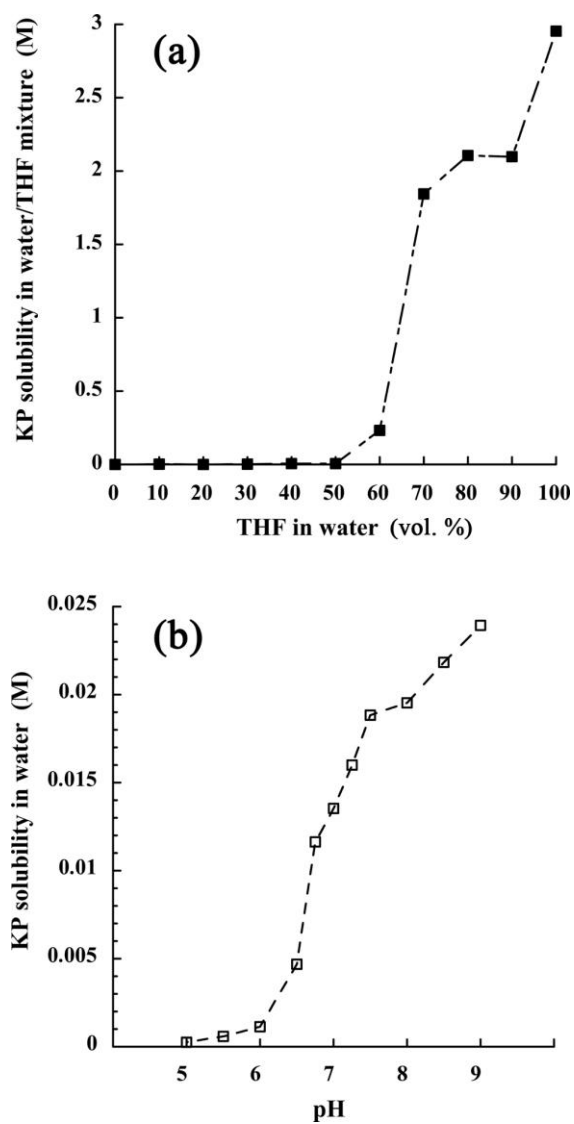


Figure S1: Study of the solubility (a) in a water / tetrahydrofuran mixture (MilliQ water), and (b) in water as a function of pH.

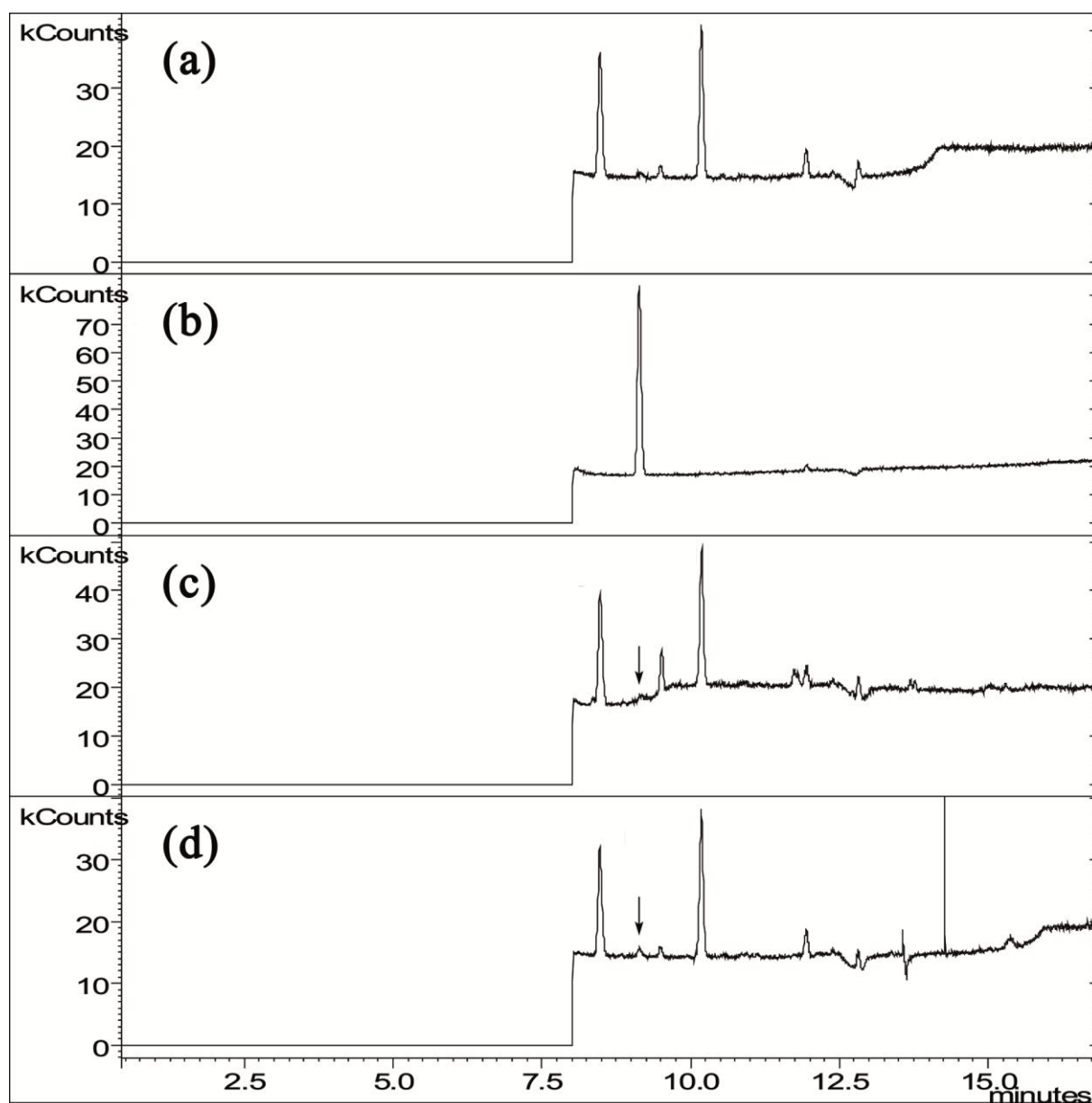


Figure S2: Quantification of residual THF in the PMMA nanoparticles: headspace-gas chromatography-mass spectrometry (HS-GC-MS) chromatograms.

(a) N,N-dimethylformamide (DMF) / water (respective proportions: 5:1).

(b) Control of tetrahydrofuran (THF), 3 ppm in water.

(c) Nanoparticles sample (8.33 mg/mL) dissolved in DMF/water (5:1), corresponding to (a). Arrow: theoretical location of THF given by (b).

(d) Limit of detection (LOD) of a control THF (indicated by the arrow) in DMF/water (5:1). LOD = 0.12 ppm.