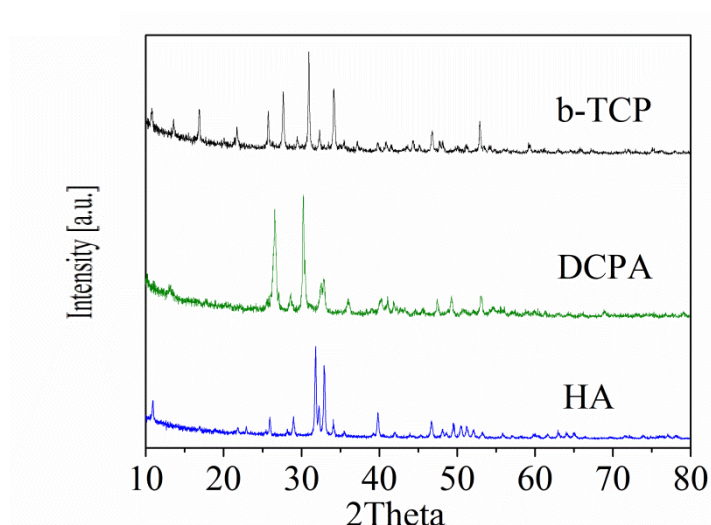


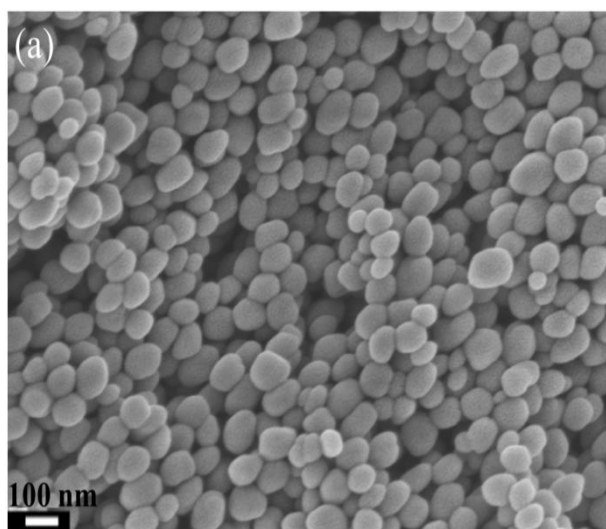
Supporting Information

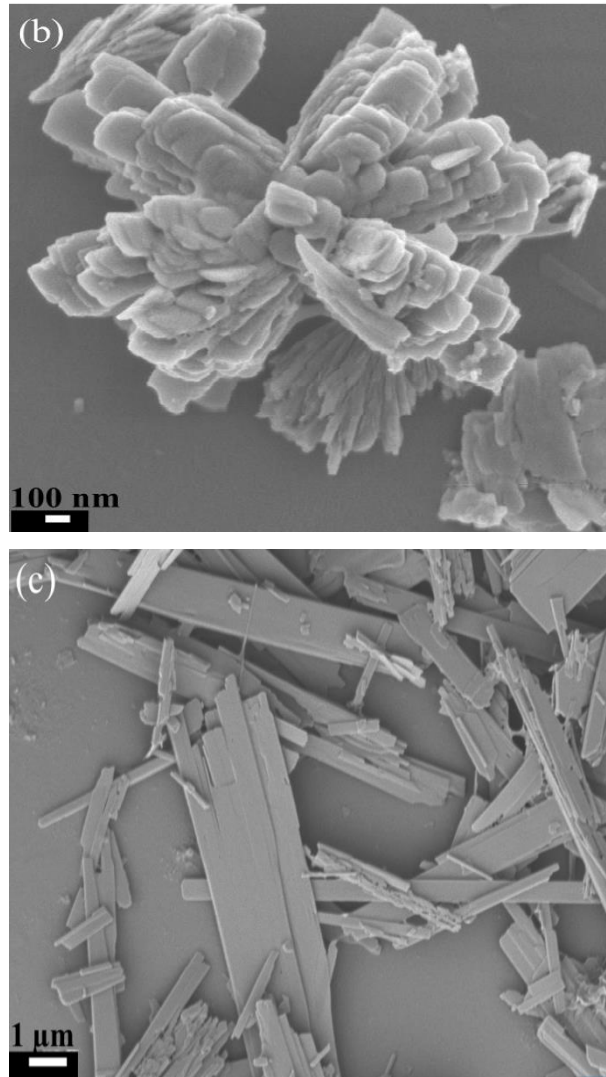
Phase-Tunable Calcium Phosphate Biomaterials Synthesis and Application in Protein Delivery

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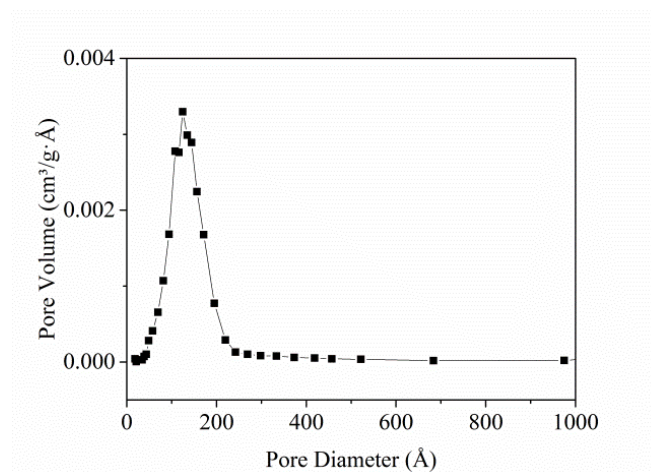


S1. X-ray diffraction patterns (XRD) of CaP samples prepared using microwave heating at 200°C for one hour. Phases were readily controlled by the solvents used, e.g. methanol (β -TCP), ethanol (DCPA) and water (HA).

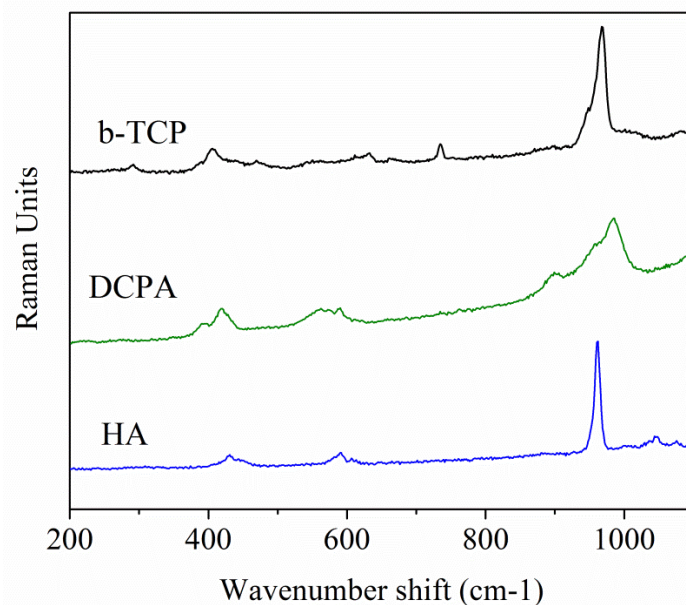




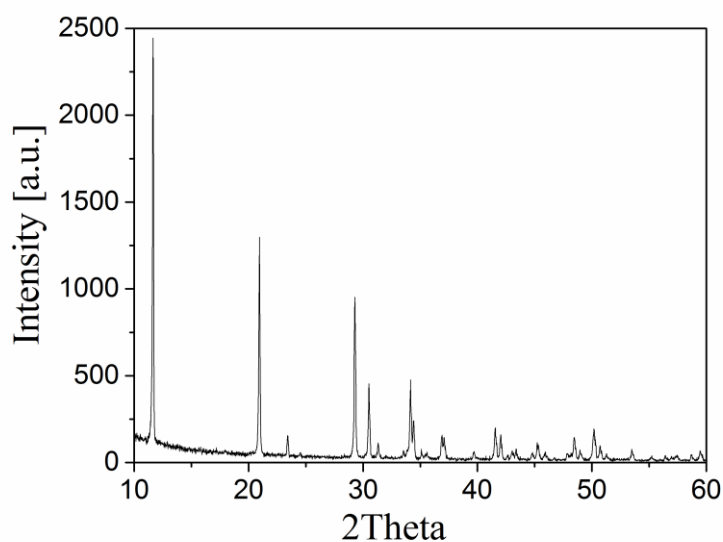
S2. SEM images of (a) β -TCP, (b) DCPA and (c) HA that synthesised in methanol, ethanol and water, respectively at 200 °C with one hour reaction time using microwave method.



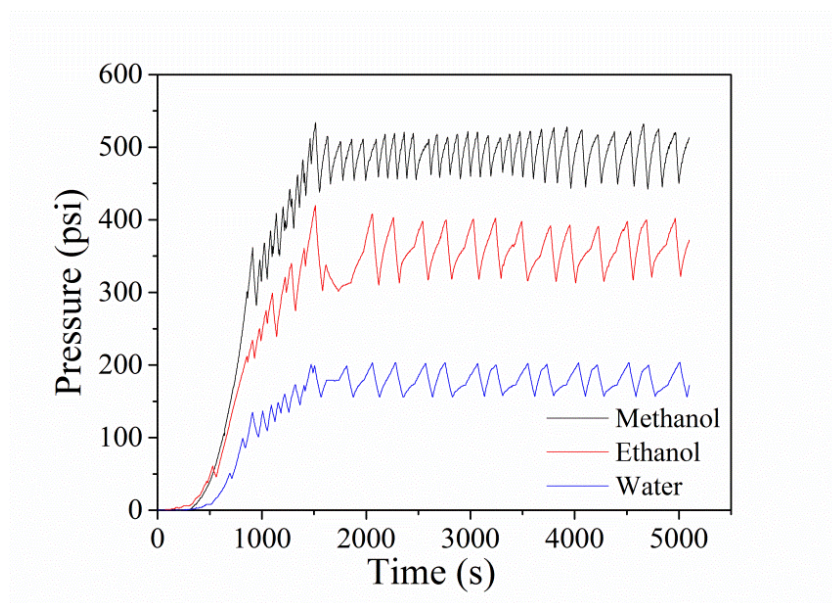
S3. Pore size distribution of β -TCP synthesised at 200 °C after 30 minutes reaction time in microwave.



S4. Raman spectra of β -TCP, DCPA and HA samples synthesized at 200 °C after one hour reaction time via microwave method.



S5. X-ray diffraction pattern (XRD) of brushite ($\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$) was obtained after mixing the precursors (calcium acetate monohydrate and phosphoric acid) in water at room temperature.



S6. Pressure profiles for all solvents (methanol, ethanol and water) at 200 °C with 60 minutes of reaction time via microwave heating method.