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Supplementary Information

Multifunctional Biodegradable Mesoporous Microspheres of Eu^{3+}-doped Amorphous Calcium Phosphate: Microwave-Assisted Preparation, pH-Sensitive Drug Release and Bioimaging

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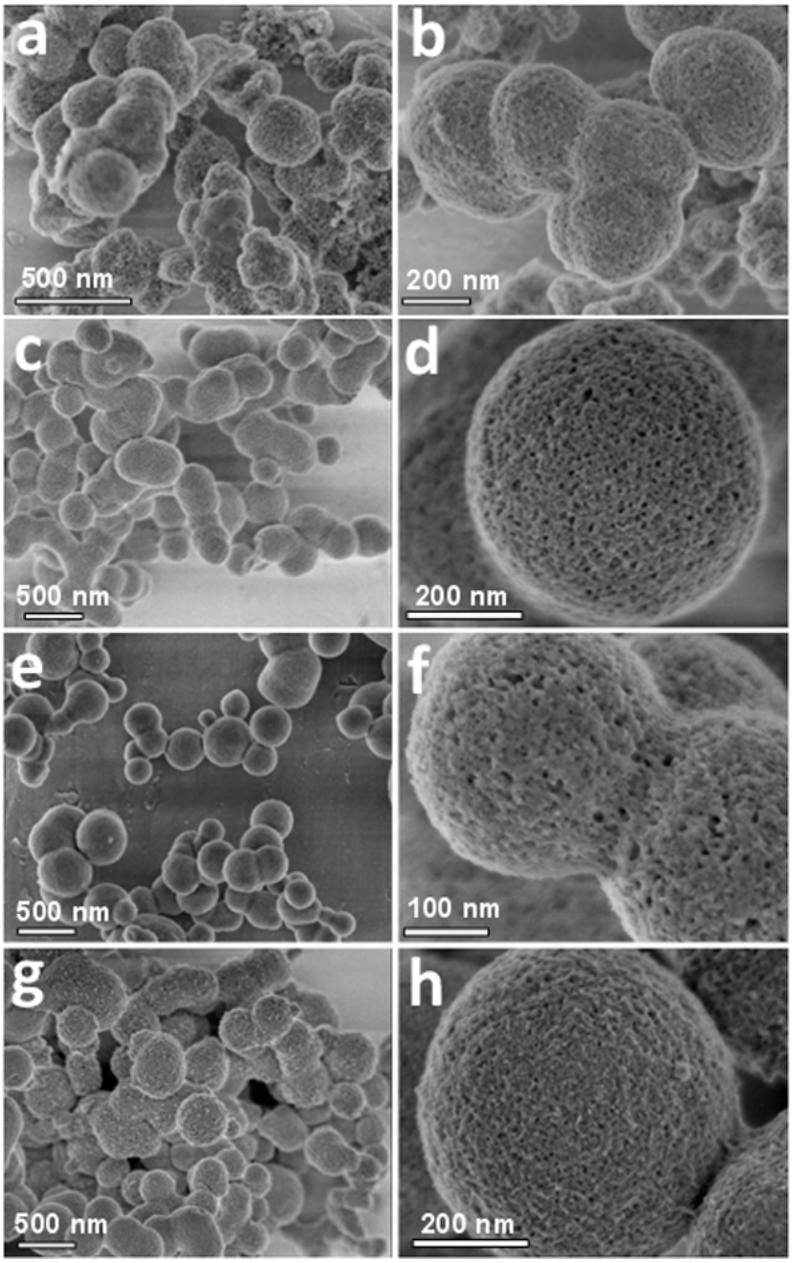

Figure S1. SEM micrographs of Eu^{3+}-doped ACP mesoporous microspheres prepared using ATP as an organic phosphate source by the microwave-assisted solvothermal method with different Eu^{3+} doping concentrations relative to Ca^{2+}: (a,b) 0; (c,d) 2.5 mol %; (e,f) 5 mol %; (g,h) 10 mol %.

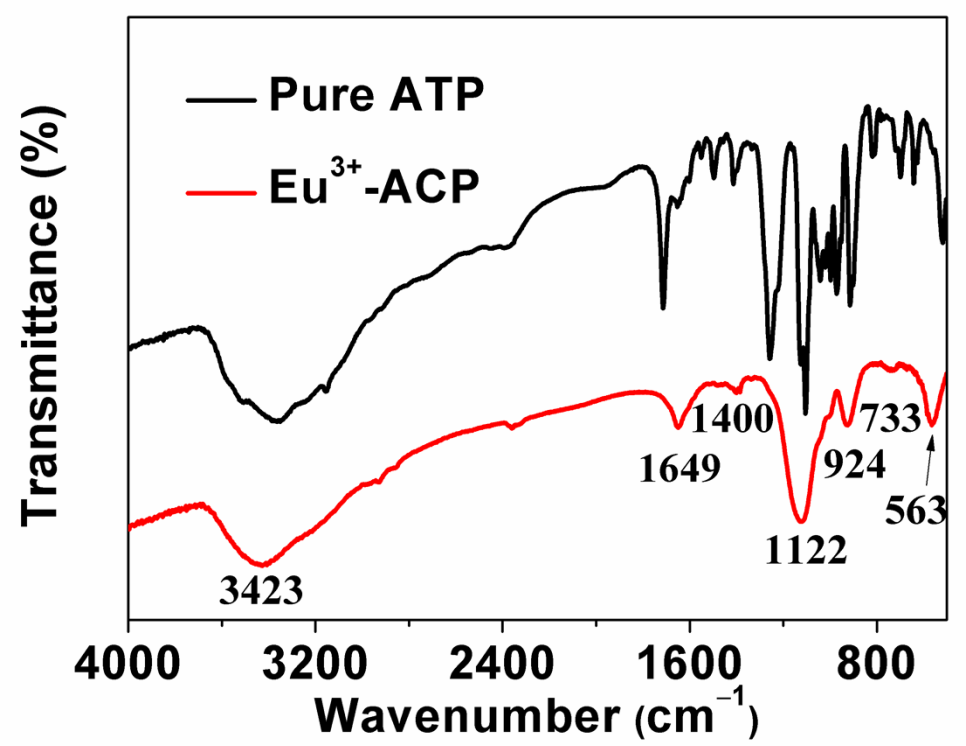

Figure S2. The FTIR spectra of the pure ATP and 5 mol % Eu^{3+}-doped ACP mesoporous microspheres prepared using ATP as an organic phosphate source by the microwave-assisted solvothermal method.

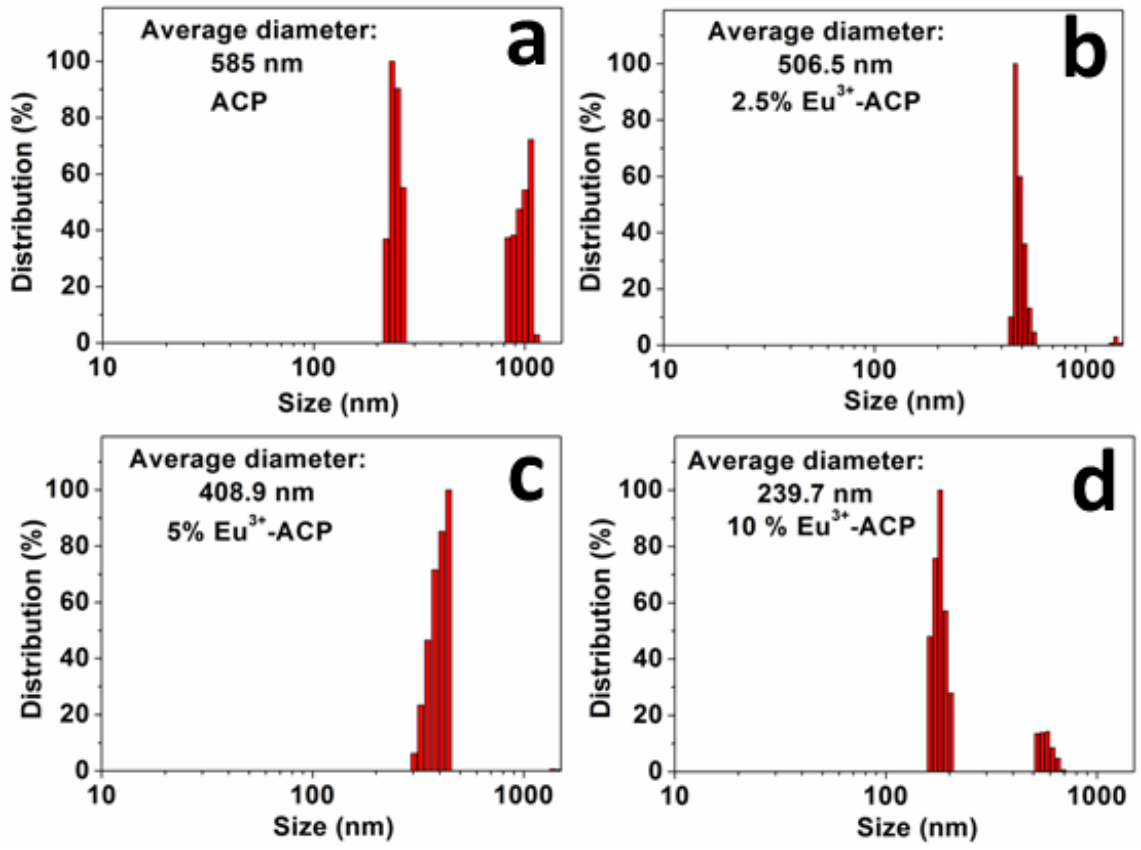

Figure S3. Hydrodynamic size distributions of Eu^{3+}-doped ACP mesoporous microspheres with different Eu^{3+} doping concentrations relative to Ca^{2+} prepared using ATP as an organic phosphate source by the microwave-assisted solvothermal method: (a) 0; (b) 2.5 mol %; (c) 5 mol %; (d) 10 mol %.

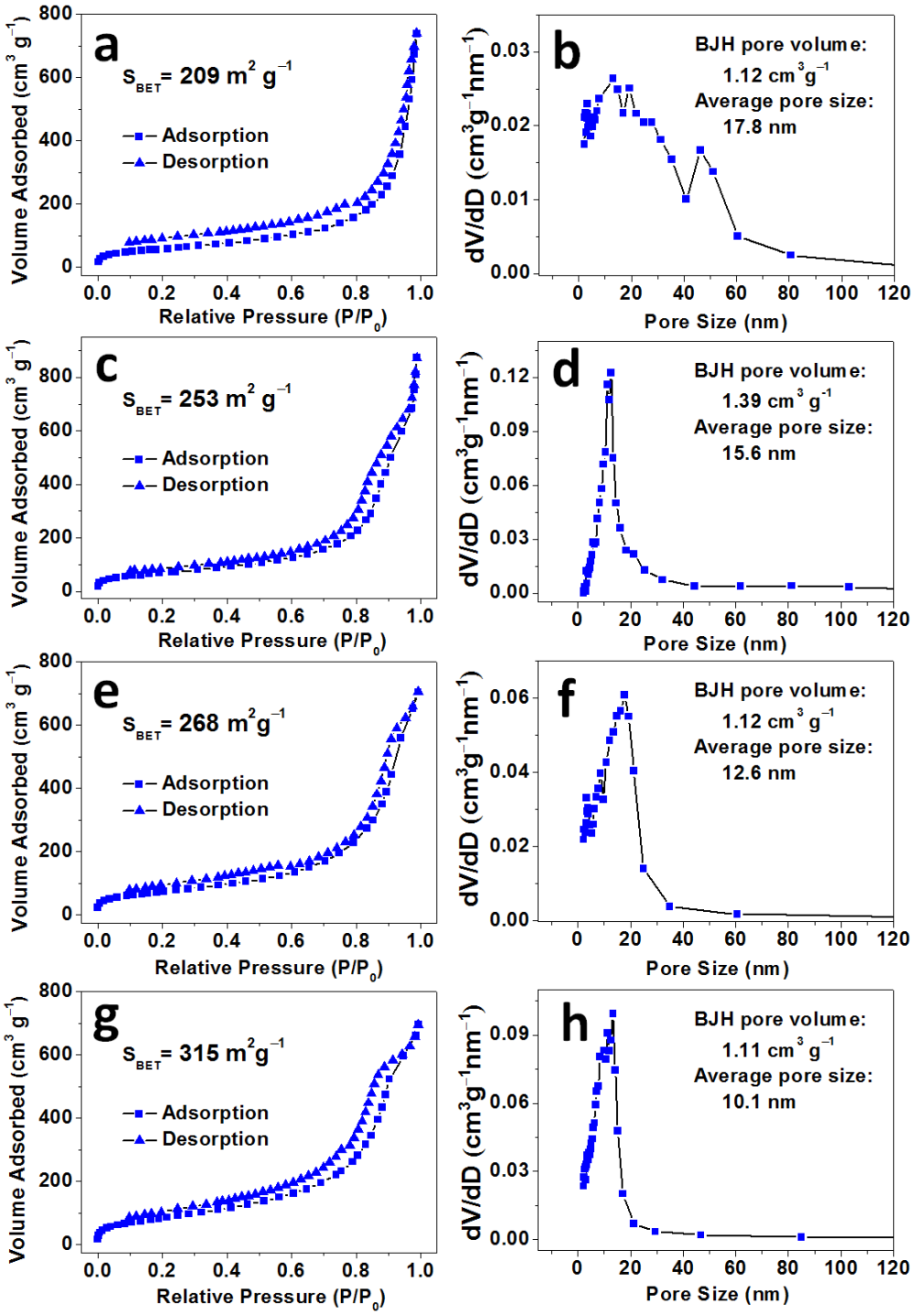

Figure S4. The nitrogen adsorption-desorption isotherms and the corresponding Barrett-Joyner-Halenda (BJH) pore size distributions of Eu^{3+}-doped ACP mesoporous microspheres with different doping concentrations relative to Ca^{2+}: (a,b) 0; (c,d) 2.5 mol %; (e,f) 5 mol %; (g,h) 10 mol %.