

Supplementary information

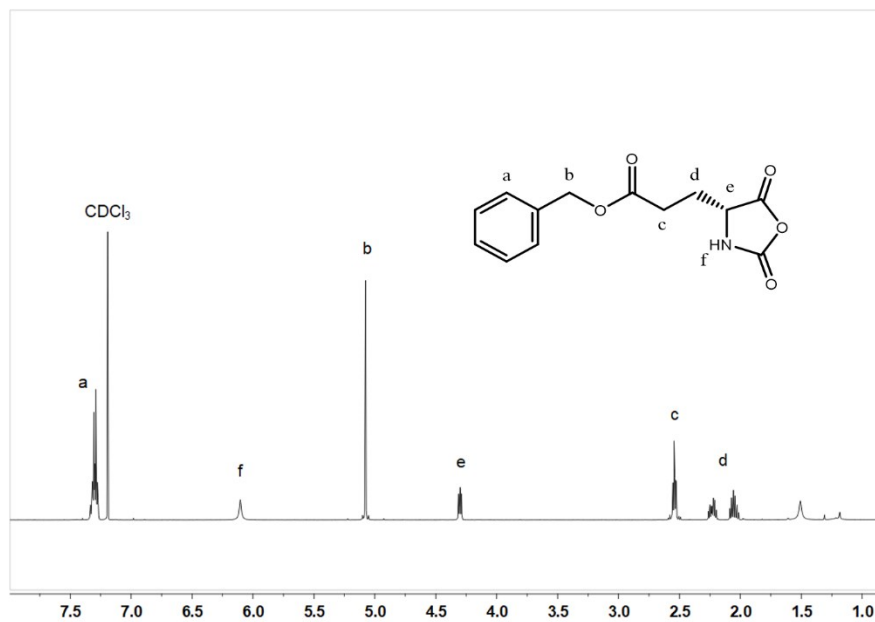


Figure S1. The ¹H-NMR spectra of BLG-NCA monomer in CDCl₃ (300 MHz).

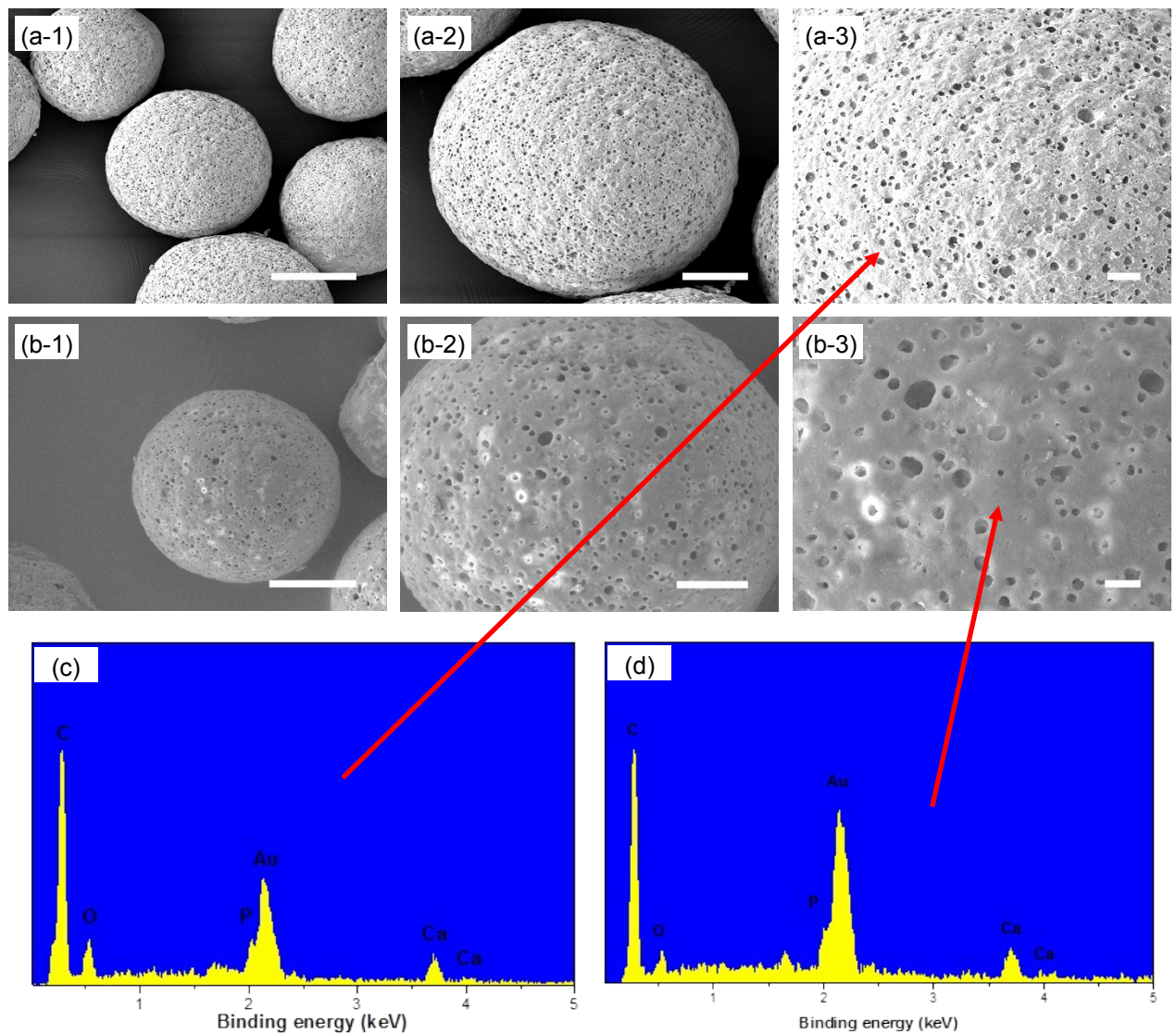


Figure S2. The SEM micrographs and EDX analysis of MHA/PLGA microcarriers with the amounts of 33.12% (a and c) and 50.30% PLGA (b and d) under the solution concentrations of 3%. (-2) and (-3) are the amplified micrographs of (-1). The scale bars are 50 μm (1), 20 μm (2) and 10 μm (3). EDX curves (c and d) showed the element contents of P and Ca on the surfaces of microcarriers (a and b), respectively.

Table S1. Results of N₂ adsorption/desorption isotherms analysis of HA and MHA samples.

Samples	S_{BET} (m²/g)	d_p (nm)	V_p (cm³/g)
Nano-HA	29.553	13.237	0.237
MHA	59.099	27.282	0.437