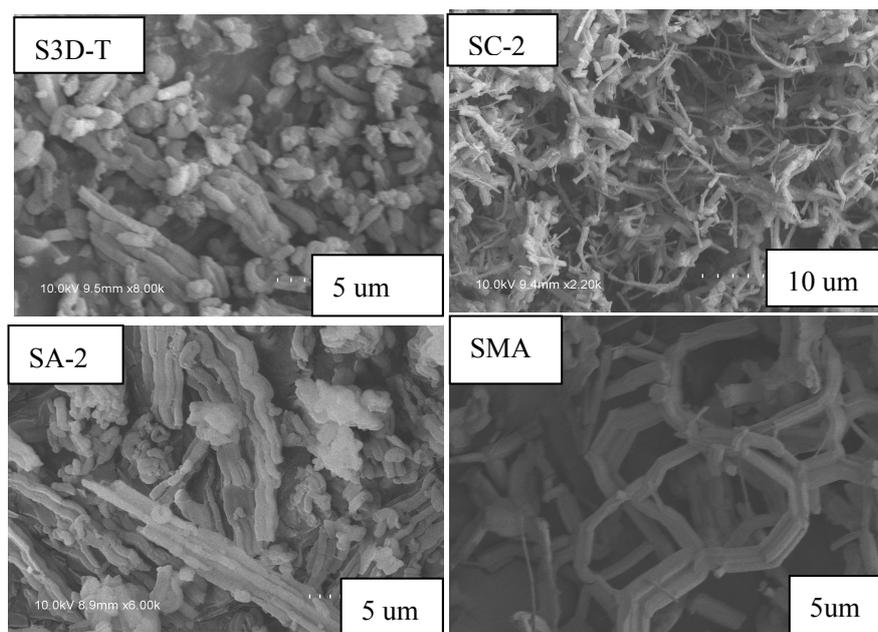
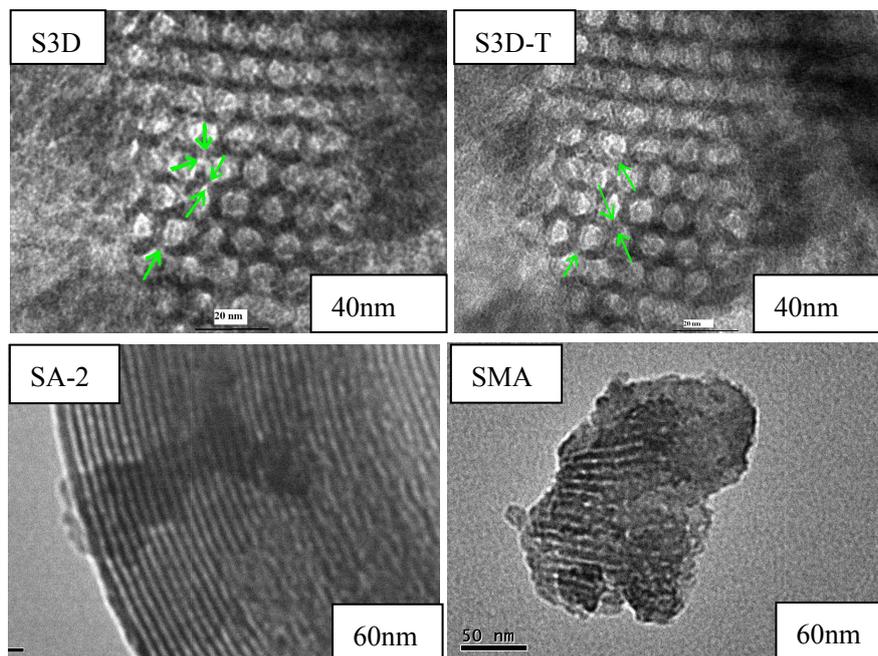


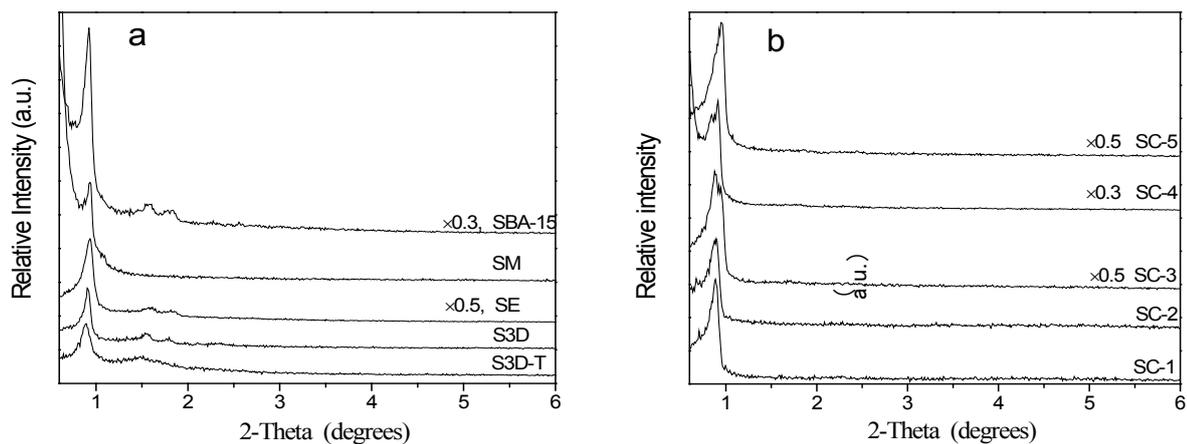
## Electronic Supporting Information



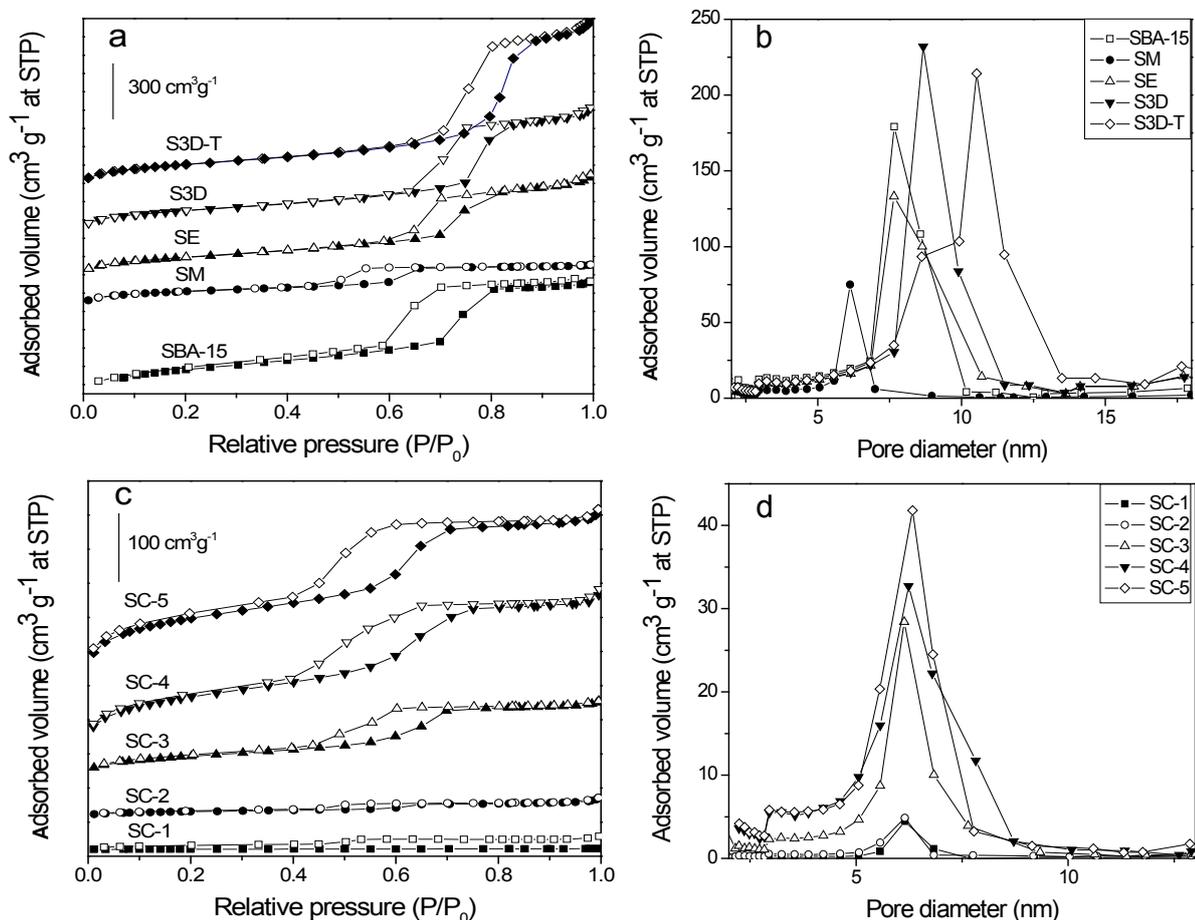
**Figure S1.** The SEM images of SBA-15 analogues samples.



**Figure S2.** The TEM images of SBA-15 series samples.



**Figure S3.** Low-angle XRD patterns of (a) SBA-15 with different morphologies, and (b) carbonized SM (SC-n) samples.



**Figure S4.** The N<sub>2</sub> adsorption–desorption isotherms (a, c) and pore size distribution (b, d) of SBA-15 sample with different morphologies (a, b), carbonized SM (SC-n) samples (c, d).

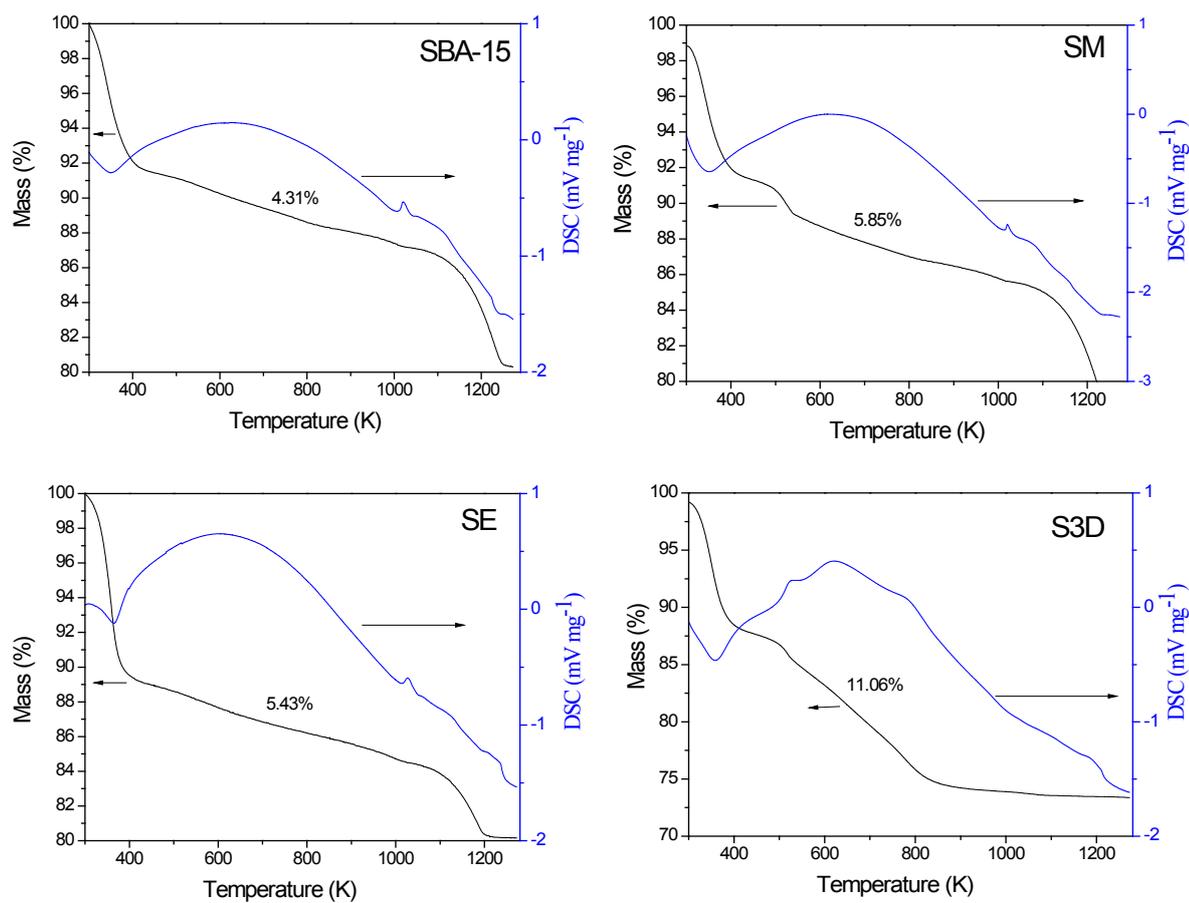


Figure S5. TG-DSC measurements of samples SBA-15 containing heparin.