

Supplementary Material

The Cooperative Effect in Dendronized Chitosan Microbeads

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Figure S1. Synthetic route of dendronized microbeads

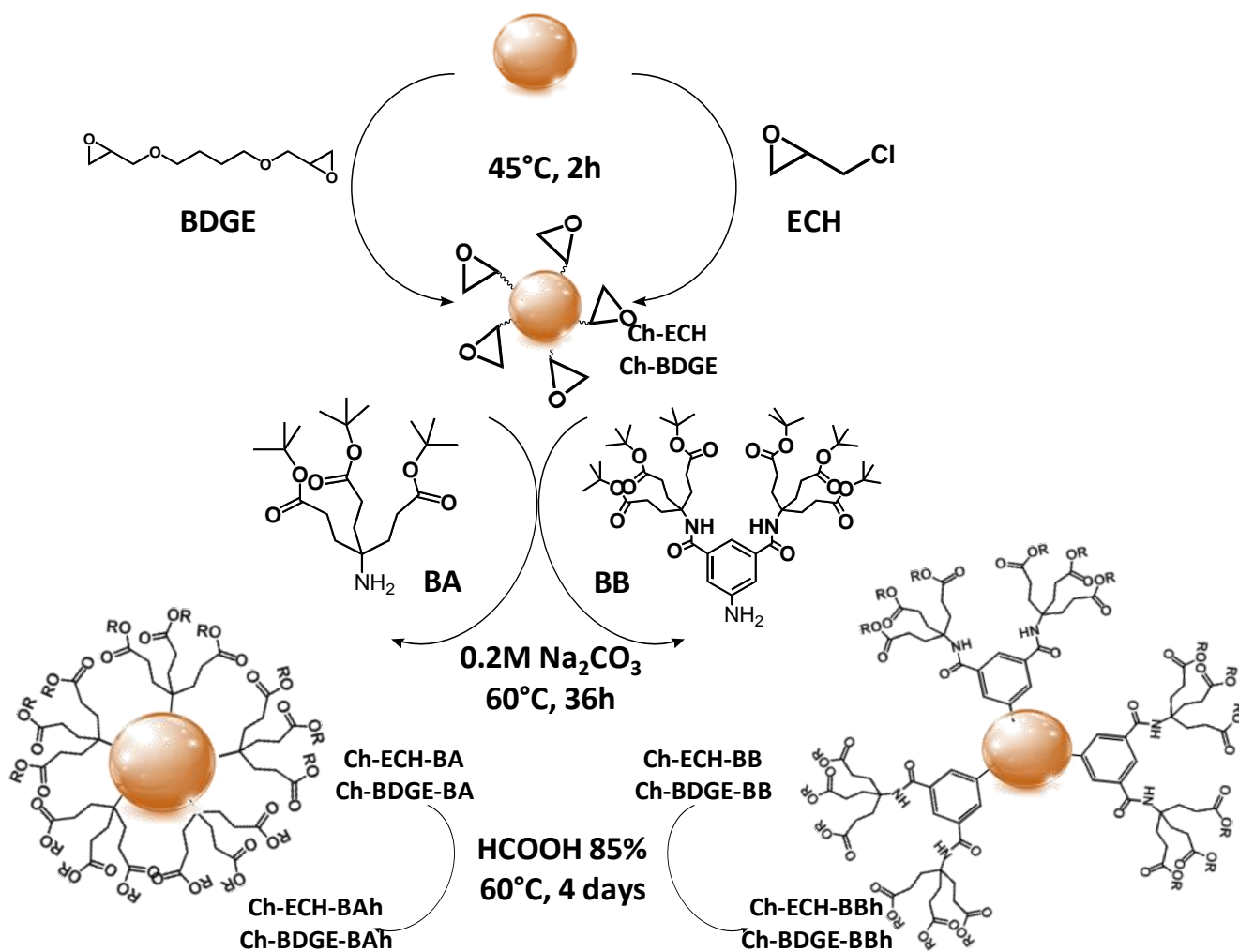
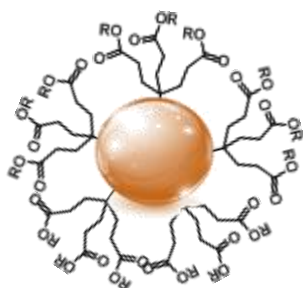
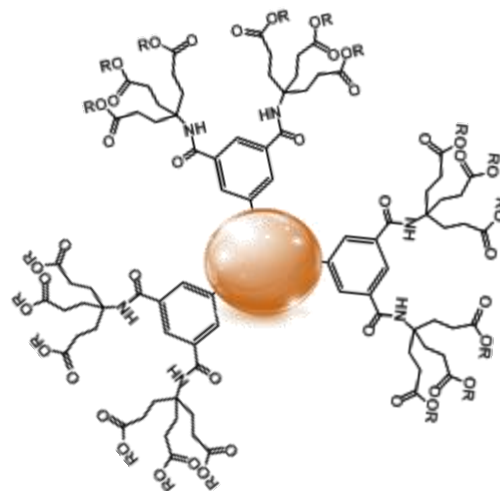


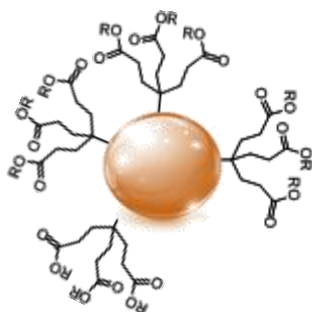
Figure S2. Structures of dendronized chitosan microbeads



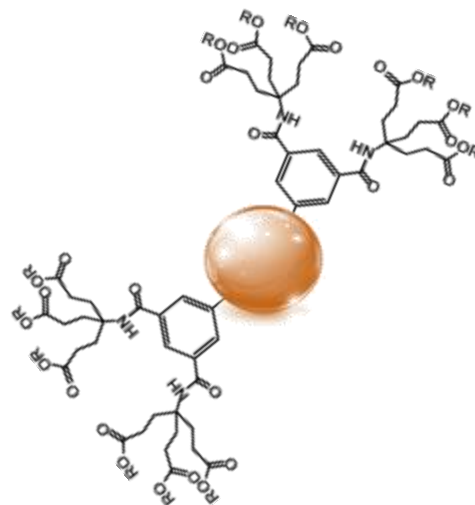
R = t-But; Ch-BDGE-BA
R = H; Ch-BDGE-BAh



R = t-But; Ch-BDGE-BB
R = H; Ch-BDGE-BBh



R = t-But; Ch-ECH-BA
R = H; Ch-ECH-BAh



R = t-But; Ch-ECH-BB
R = H; Ch-ECH-BBh

Figure S3. FTIR spectrum of BA.

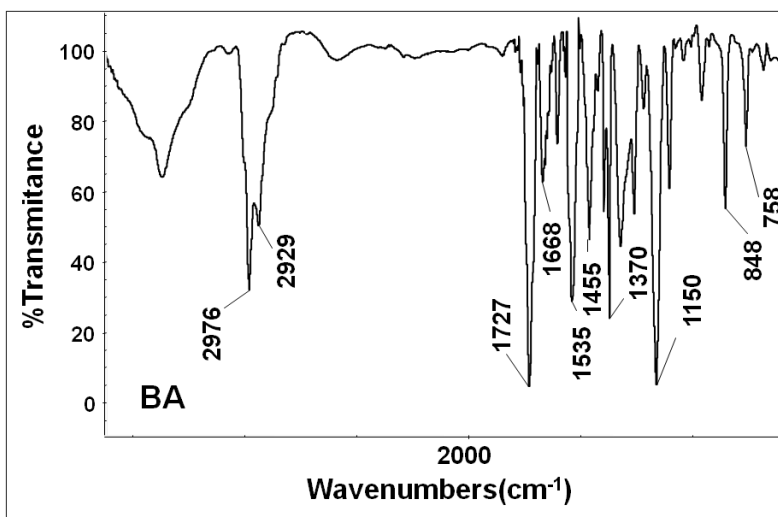
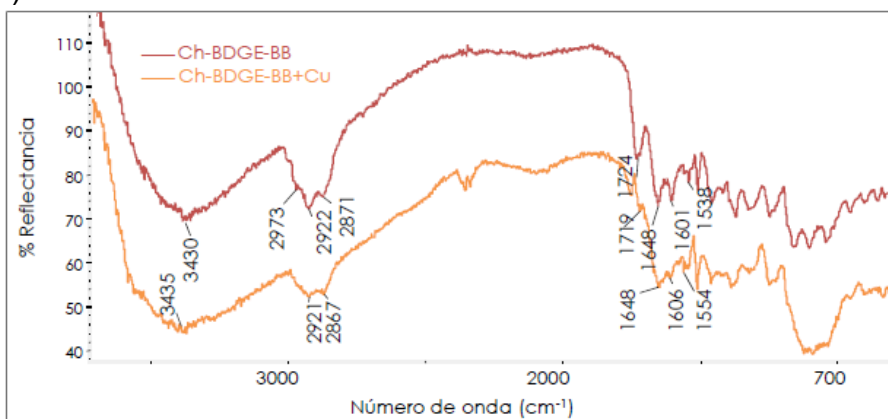


Figure S4. (a) DR-FTIR spectrum of Ch-BDGE-BB and copper sobbed Ch-BDGE-BB. (b) ¹H-NMR spectrum of BA (b-1) and BA-Cu (b-2).

a)



b)

