

**Supporting Information**

**Bioinspired design of amphiphilic particles with tailored compartments for dual-drug controlled release**

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J. Qin and Z. Li contribute equally to this work.

## 1. Supplementary figures

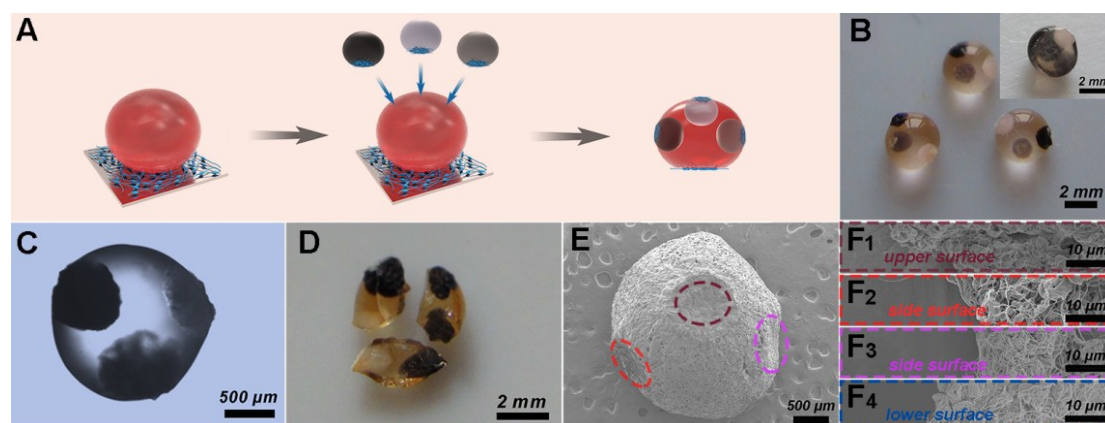


Figure S1. (A) Schematic illustration of the fabrication process for amphiphilic particles with four compartments; (B-F) Digital image, optical image, cross-section image, and SEM images of the four compartmental amphiphilic particles.

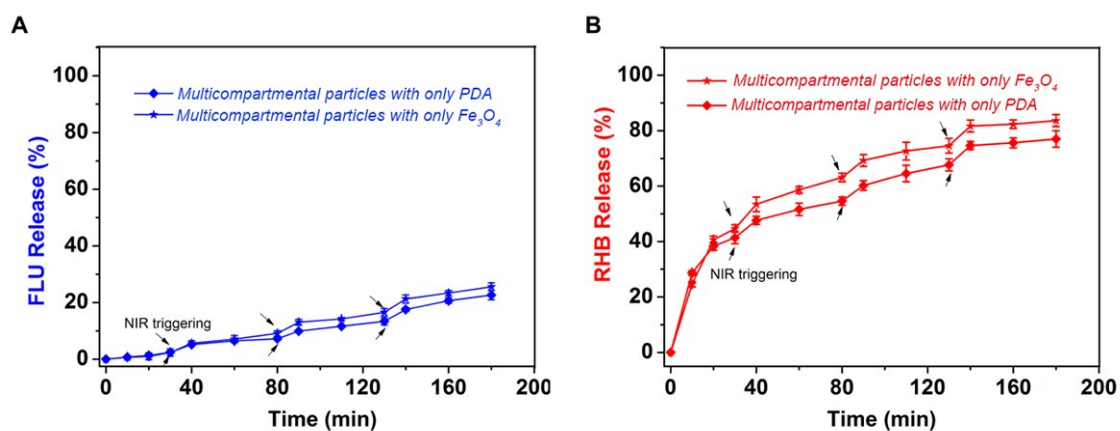


Figure S2. (A) FLU and (B) RHB release profiles of the amphiphilic multicompartamental particles with only magnetic nanoparticles and amphiphilic multicompartamental particles with only PDA nanoparticles.

## 2. Supplementary video

Movie S1. Amphiphilicity induced self-assembly of a black amphiphilic particle into a large-sized amphiphilic particle to achieve a bicompartamental structure.