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**Supporting Information** 

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

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## 1. Supplementary figures

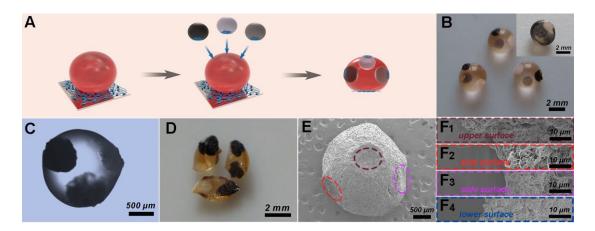


Figure S1. (A) Schematic illustration of the fabrication process for amphiphilic particles with four compartments; (B-F) Digital image, optical image, cross-section image, and SEM images of the four compartmental amphiphilic particles.

Α в 100 100 Multicompartmental particles with only Fe<sub>2</sub>O Multicompartmental particles with only PDA with only PDA with only Fe\_O **RHB Release (%)** 80 80 FLU Release (%) 60 60 40 40 20 20 0 0 80 120 160 40 120 160 200 40 80 200 Ó Time (min) Time (min)

Figure S2. (A) FLU and (B) RHB release profiles of the amphiphilic multicompartmental particles with only

magnetic nanoparticles and amphiphilic multicompartmental 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 bicompartmental structure.