

Supporting Information

Stepwise Assembly of Metal–Organic Framework Based on a Metal–Organic Polyhedron Precursor for Drug Delivery

Hai-Ning Wang, Xing Meng, Guang-Sheng Yang, Xin-Long Wang*, Kui-Zhan Shao,
Zhong-Min Su*, and Chun-Gang Wang

*Institute of Functional Material Chemistry, Department of Chemistry, Northeast
Normal University, Changchun 130024, P. R. China*

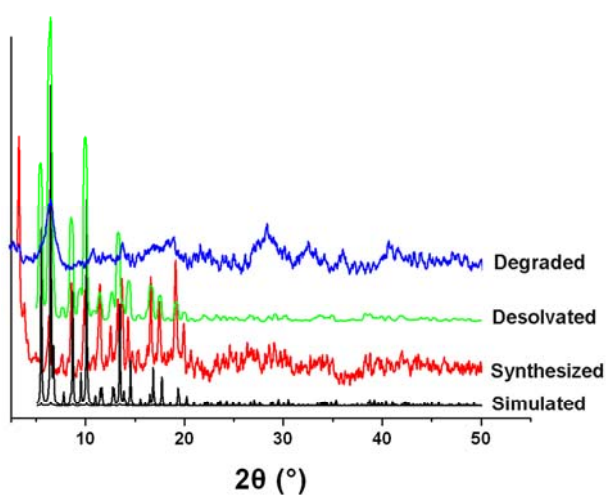


Fig. S1 Experimental and simulated powder X-Ray diffraction patterns for **2**. The blue line represents the PXRD pattern of **2** after the drug release experiments.

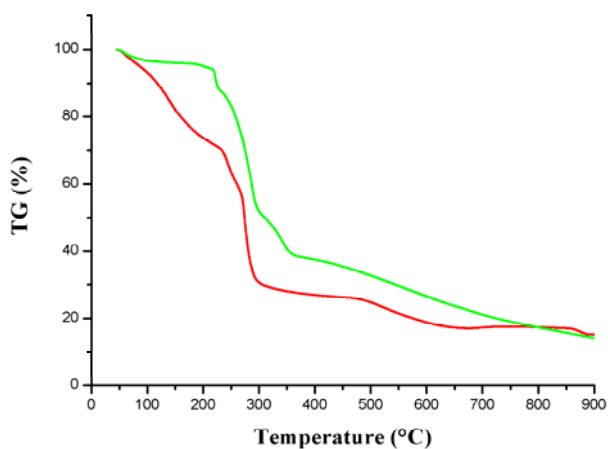


Fig. S2 TG profiles of **2** (red) and evacuated **2** (green).

Drug Loading Dissolving 5-FU (30 mg) and **2** (20 mg) in methanol (5 mL) three days yielded heterogeneous green solution. The precipitation was isolated by centrifuging and washed with methanol. The 5-FU content was calculated using UV method ($\lambda = 266$ nm).

Drug Release 7 mg of drug-loaded **2** was dissolved into 2 mL of PBS buffer solution (pH 7.4), and loaded into a dialysis bag, which was dialyzed against 5 mL of deionized water at 37°C. During each time interval, about 1 mL of the solution was pulled out to test, and decanted back when the test was over. The content of 5-FU in the samples taken out was monitored by fluorometry, in which the detection wavelength was 453 nm.