Electronic Supplementary Information


Ziwei Hu,†,# Mingshan Xie,†,# Danting Yang,‡ Dong Chen,§ Jingyi Jian,† Haibin Li,† Kaisong Yuan,† Zhengjin Jiang *,† and Haibo Zhou*,†

† Institute of Pharmaceutical Analysis, College of Pharmacy, Jinan University, Guangzhou, Guangdong 510632, China
‡ Department of Preventative Medicine, Zhejiang Provincial Key Laboratory of Pathological and Physiological Technology, Medical School of Ningbo University, Ningbo, Zhejiang 315211, China
§ Department of Urology, Sun Yat-sen University Cancer Center, Guangzhou, Guangdong 510060, China

Limit of Detection (LOD) Measurements. The LOD was calculated using the below equation: LOD = 3SD/S. Where "SD" is the standard deviation of the blank, "S" is the slope of the calibration curve (Y = 0.0609X + 0.0056). Herein the SD is 0.001308, so the LOD is 0.06 μg/mL.
Figure S1. Zeta potential of AuNPs (A) before and (B) after the addition of 5 μM berberine.

Figure S2. Time course of the aggregation of AuNPs as induced by (A) 1.0 μM, (B) 2.0 μM, (C) 2.5 μM and (D) 3.0 μM of berberine monitored with UV-vis absorbance spectra at an interval of 2.5 min.