Supporting Information

Near-infrared fluorescence probe: BSA-protected gold nanoclusters for metronidazole and related nitroimidazole derivatives detection

Lei Meng\textsuperscript{a,b}, Jian-hang Yin\textsuperscript{a}, Yaqing Yuan\textsuperscript{a}, Na Xu\textsuperscript{*}

\textsuperscript{a}College of Materials Science and Engineering, Jilin Institute of Chemical Technology, Jilin 132022, China.

\textsuperscript{b}College of Science, Jilin Institute of Chemical Technology, Jilin 132022, China.

\textsuperscript{*}E-mail: xn_1216@163.com (Na Xu)
**Fig. S1.** The time-dependent fluorescence intensity changes of AuNCs@BSA (1.0 mg/mL) towards MTZ (5 mM). $F_0$ and $F$ are the fluorescence intensity of AuNCs@BSA at 645 nm in absence and presence of MTZ.
Fig. S2. The fluorescence spectra of AuNCs@BSA (0.02 mg/mL) towards various concentrations of MTZ, and the detection limit (0.01 μM) is obtained.
Fig. S3. Fluorescence response of AuNCs@BSA (1.0 mg/mL) towards various concentrations of (a) dimetridazole (DMZ), (b) ronidazole (RNZ), (c) tinidazole (TNZ) and (d) ornidazole (ONZ).