BEILSTEIN JOURNAL OF NANOTECHNOLOGY

Supporting Information

for

Detection and imaging of Hg(II) in vivo using glutathione-functionalized gold nanoparticles

Gufeng Li, Shaoqing Li, Rui Wang, Min Yang, Lizhu Zhang, Yanli Zhang, Wenrong Yang and Hongbin Wang

Beilstein J. Nanotechnol. **2022,** *13,* 549–559. doi:10.3762/bjnano.13.46

Additional experimental data

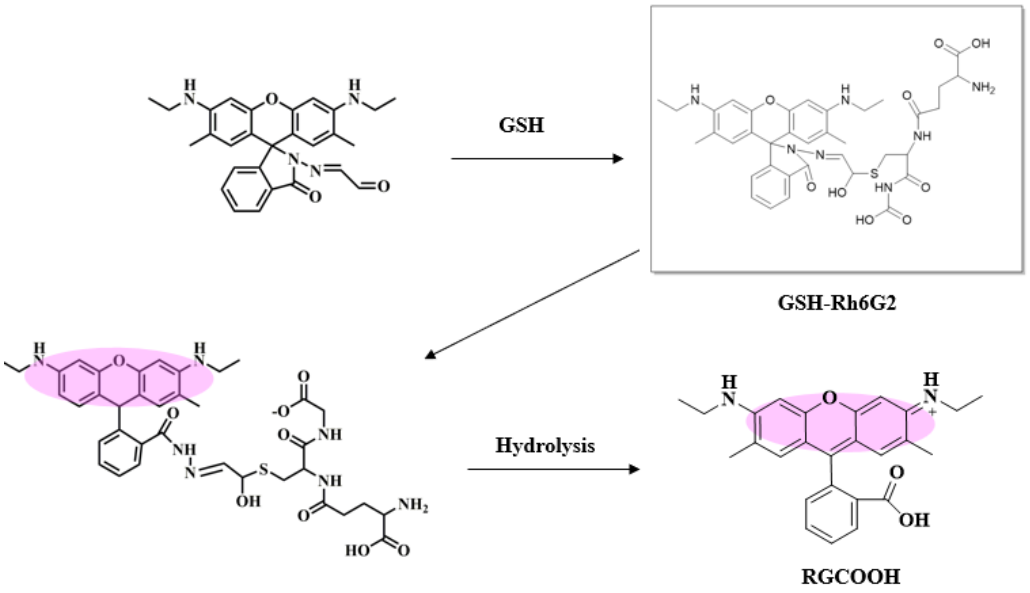

Figure S1: Speculative scheme of the reaction between Rh6G2 and GSH.

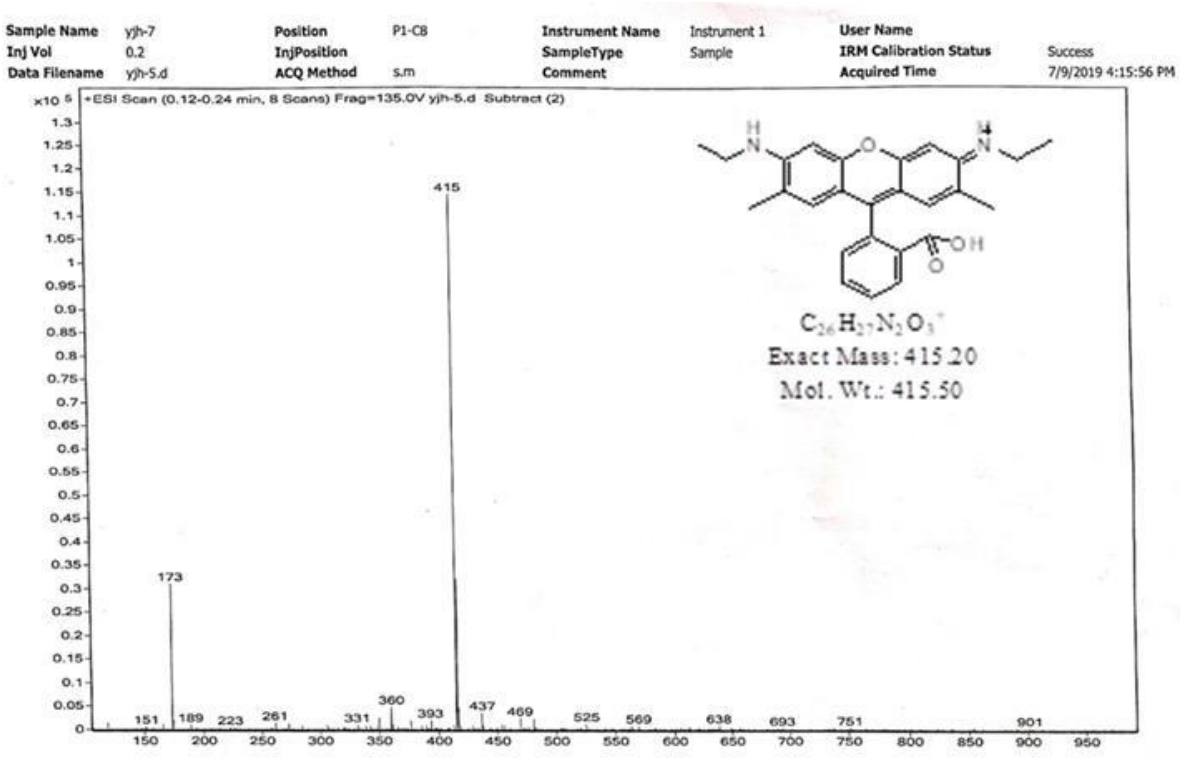

Figure S2: Mass spectra of GSH-Rh6G2. The fluorescent substance of GSH-Rh6G2 was separated, which proved that *m/z* is 415 as RGCOOH.

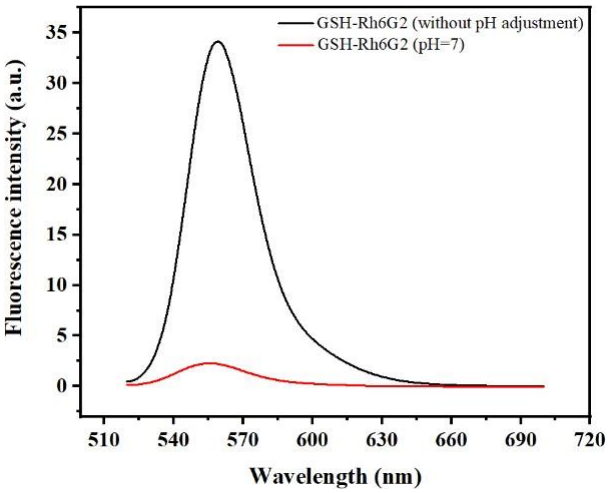

Figure S3: Fluorescence spectra of GSH-RH6G2 in weakly acidic environment (black curve) and in neutral environment (red curve).

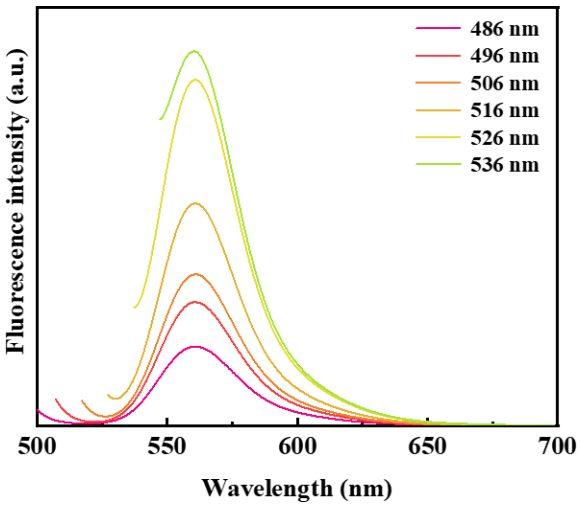

Figure S4: Fluorescence emission spectra of the GNPs-GSH-Rh6G2 with different excitation wavelengths.

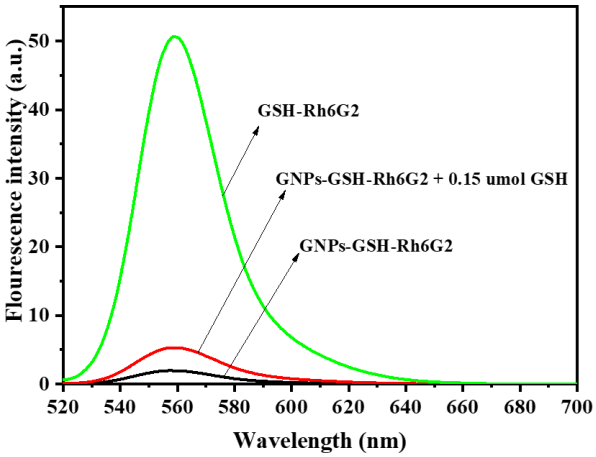

Figure S5: Fluorescence spectra of molecular saturation test of GNPs-GSH-RH6G2