

SUPPORTING INFORMATION

for

Aptamer-mediated nanocomposites of semiconductor quantum dots and graphene oxide as well as their applications in intracellular imaging and targeted drug delivery

Li Zhang,^{ab} Sai Jin Xiao,^{ac} Lin Ling Zheng,^a Yuan Fang Li^a and Cheng Zhi Huang^{*a}

^aKey Laboratory of Luminescent and Real-Time Analytical Chemistry, Ministry of Education, College of Pharmaceutical Sciences, and College of Chemistry and Chemical Engineering, Southwest University, Chongqing, 400715, China. Tel: 86-23-68254659; E-mail: chengzhi@swu.edu.cn

^bDepartment of Chemistry, Nanchang University, Nanchang, 330031, China.

^cJiangxi Key Laboratory of Mass Spectrometry and Instrumentation, East China Institute of Technology, Nanchang, 330013, China.

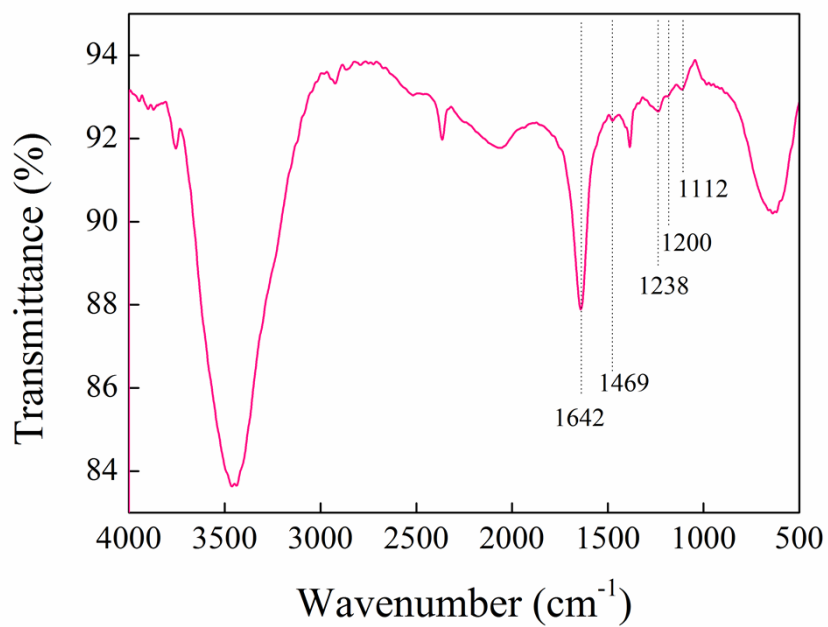


Fig. S1 FTIR spectrum of the aptamer-QDs conjugates.

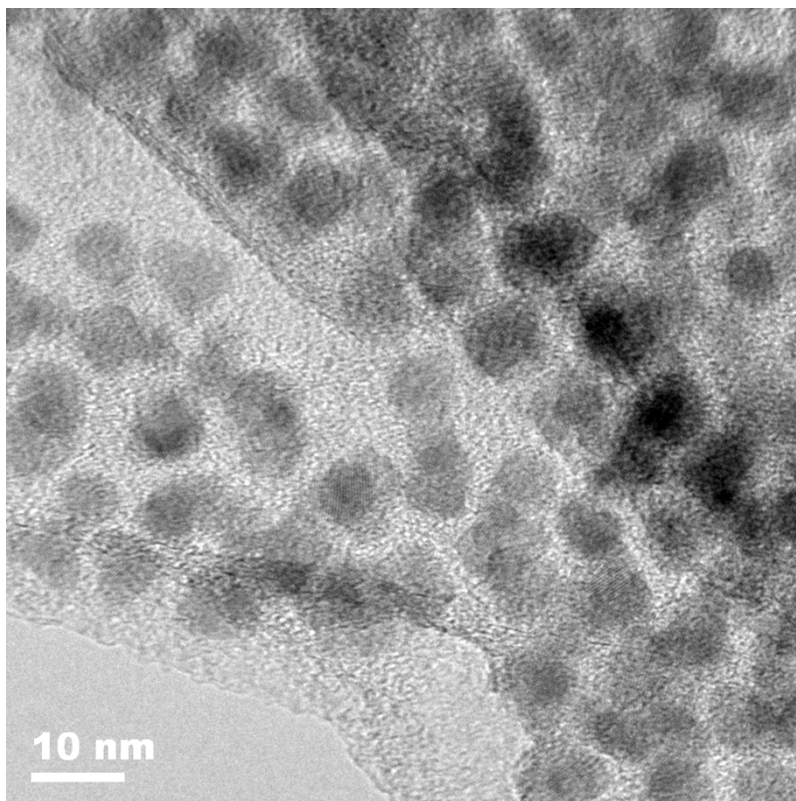


Fig. S2 TEM image of aptamer-QDs-GO nanocomposite with high magnification

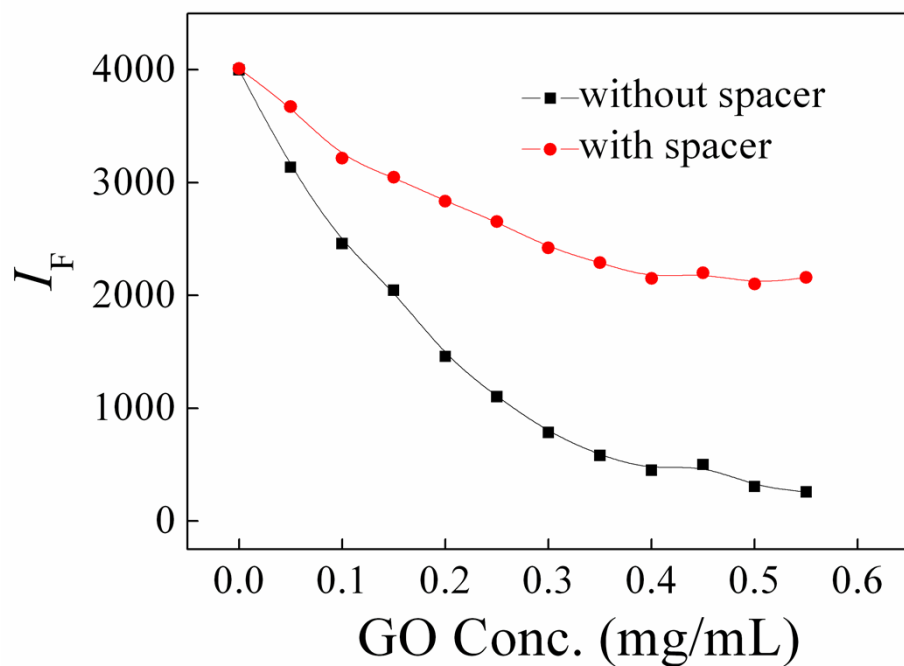


Fig. S3 The plot of fluorescence intensity of aptamer-QDs with spacer (●) or without spacer (■) vs GO concentration.

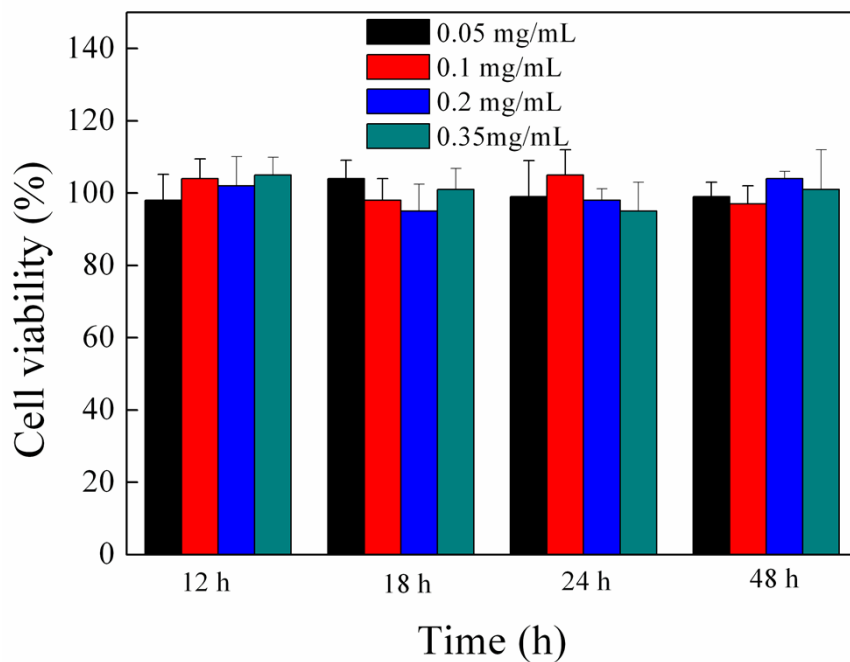


Fig. S4 Cell viability of SK-N-SH cells after 12 to 48 hours of incubation with various amounts of aptamer-QDs-GO nanocomposites. Cell viability was measured using a MTT assay.