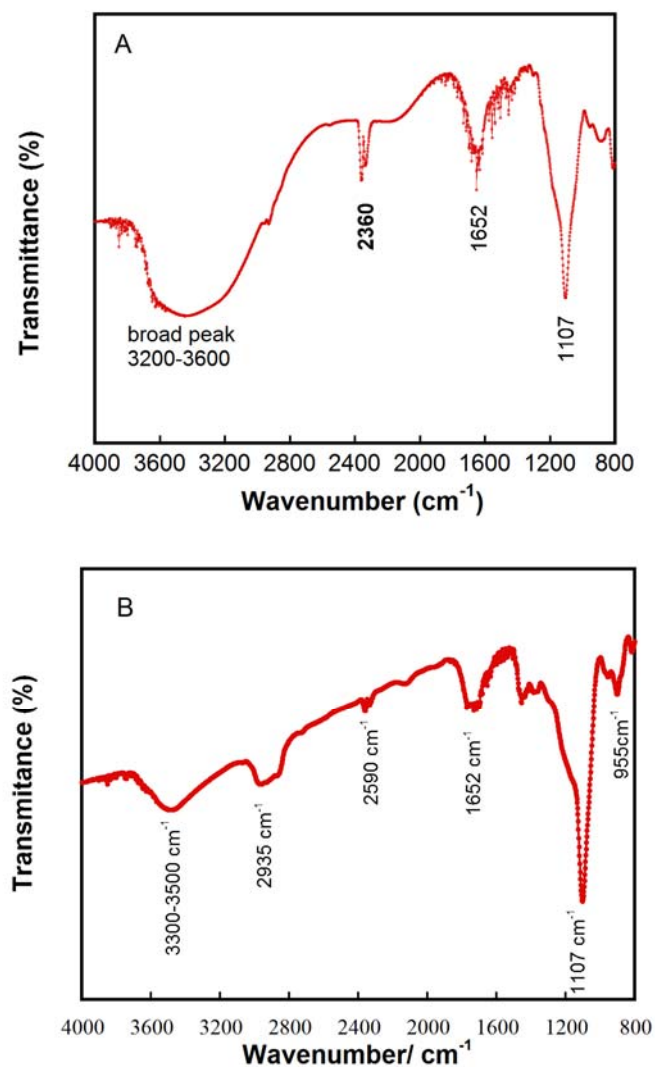
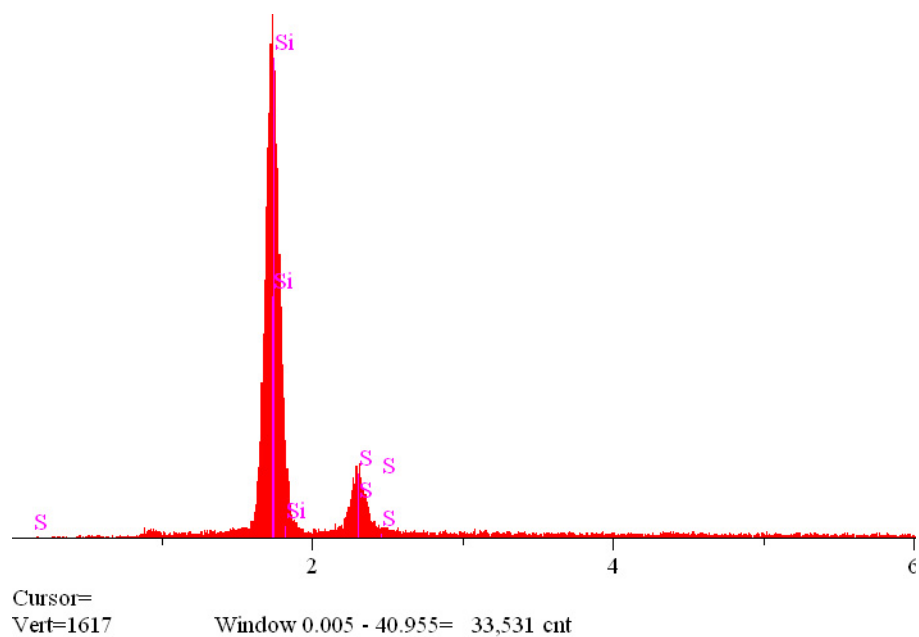


**Development of highly fluorescent silica nanoparticles chemically doped with organic dye for sensitive DNA microarray detection**

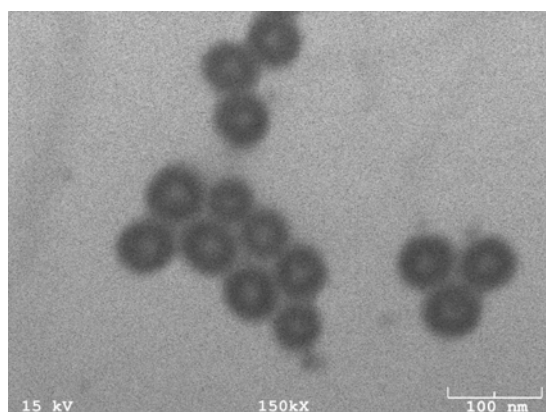
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**Fig. S1.** (A) FT-IR spectrum of AF647-doped silica nanoparticle; (B) FT-IR spectrum of AF647-doped silica nanoparticle after co-condensation with MPTMS for 6 h



**Fig. S2.** Energy dispersive spectrum for the thiol-functionalized fluorescent silica particles



**Fig.S3.** SEM image of BSA-coated fluorescent silica nanoparticles