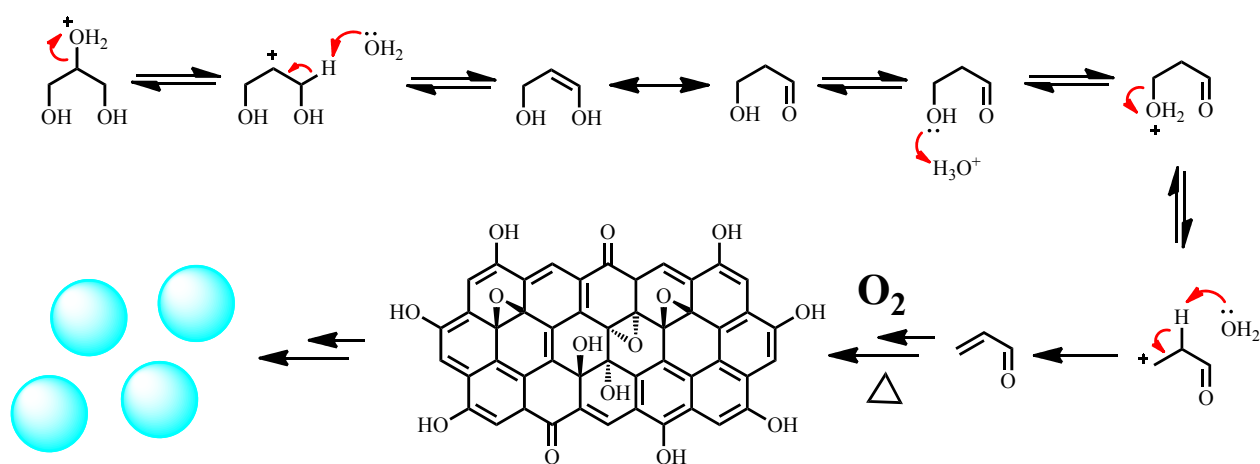


Supporting Information

Facile Synthesis of Highly Emissive Carbon Dots from Pyrolysis of Glycerol; Gram Scale Production of Carbon Dots/mSiO₂ for Cell Imaging and Drug Release

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Scheme S1: A proposed mechanism of CDs NPs formation in the refluxing glycerol solvent under 1 atmosphere air pressure.

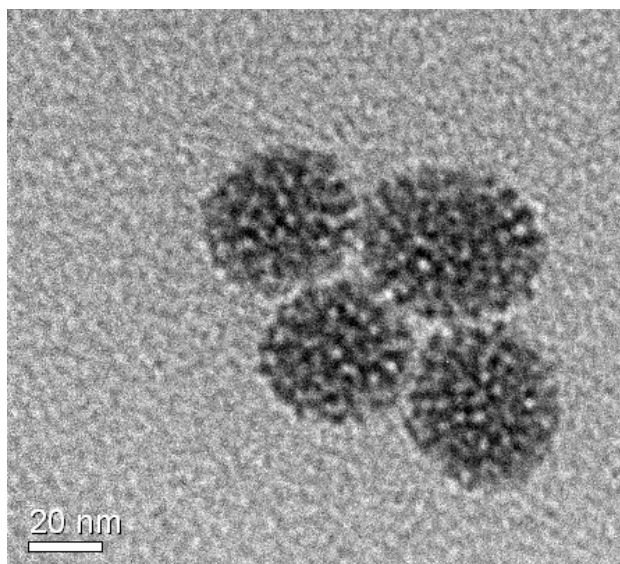


Figure S1. The TEM image of the mesoporous silica nanoparticles

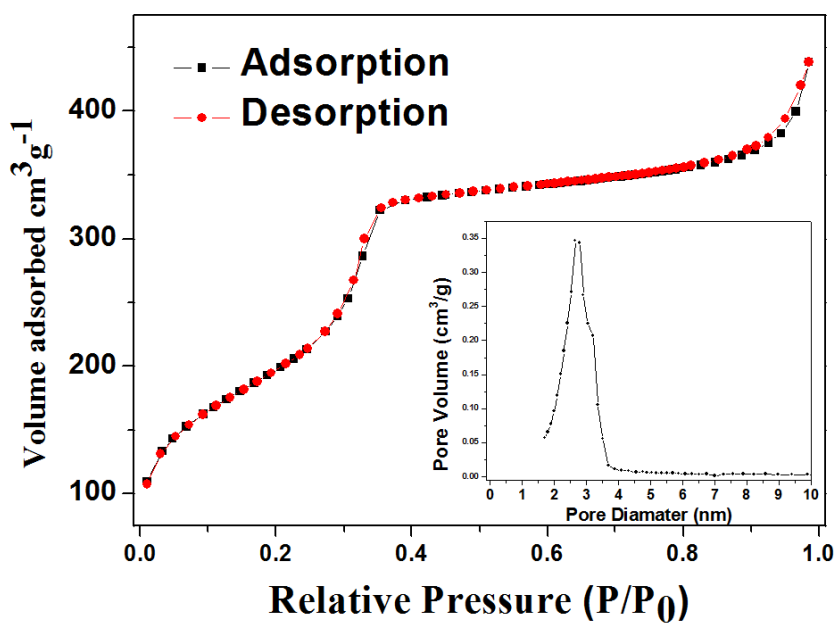


Figure S2. N₂ adsorption-desorption isotherm of the as-synthesized CDs@mSiO₂-PEG nanoparticles; the insertion is the pore size distribution.

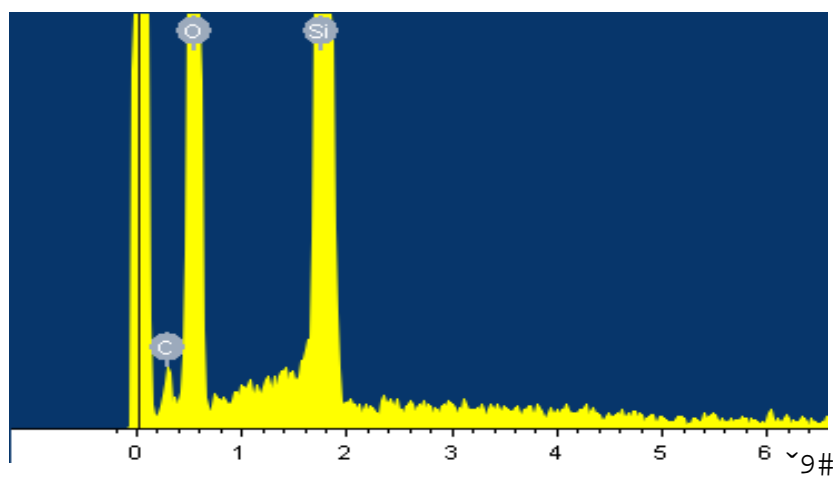


Figure S3. EDX spectra of CDs@mSiO₂-PEG

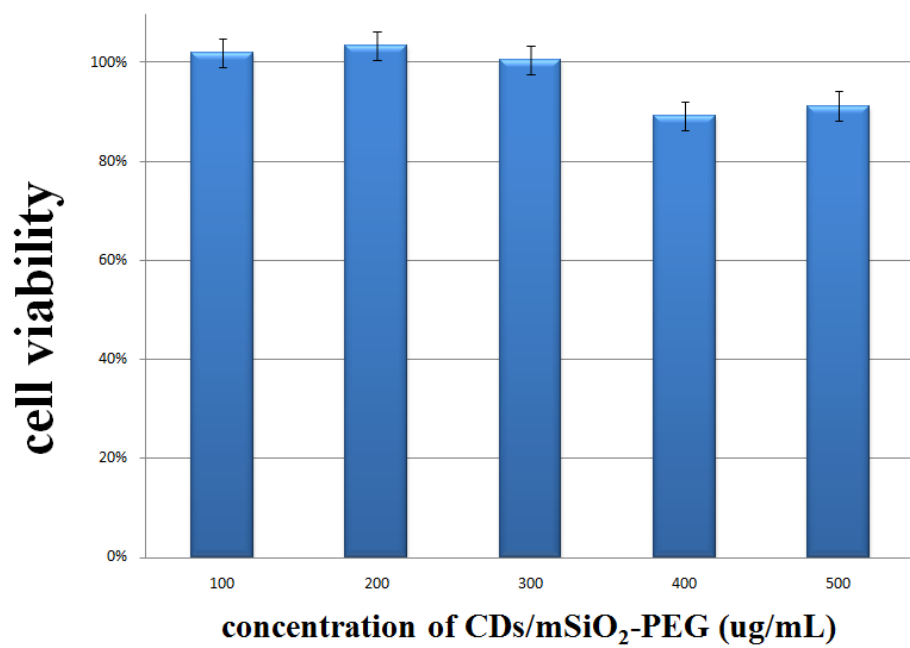


Figure S4. MTT assay of CDs@mSiO₂-PEG nanoparticles after 48 hr treatment.