

Supplementary information

Ultrasmall Glucose-Functionalized Au-Carbon Nanohybrids: Exploiting the “Warburg Effect” to image Tumors by Multimodal CT/Fluorescence Imaging

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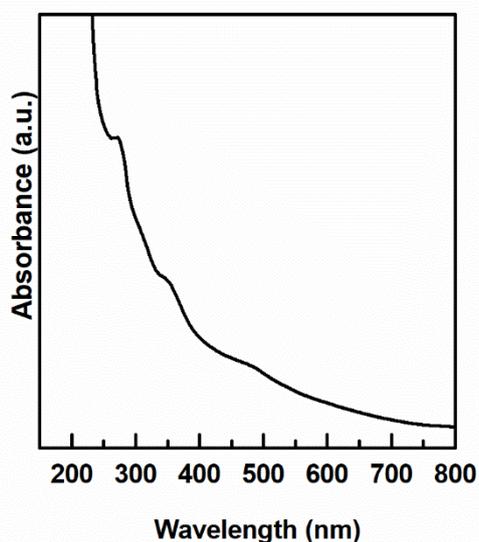


Figure S1. UV-Vis absorption spectrum of gold seed solution. The analysis was performed in the 200-800 nm range.

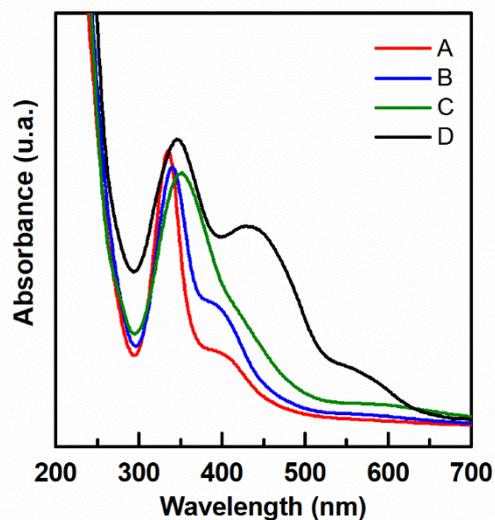


Figure S2. UV-Vis absorption spectra of the size exclusion chromatography collected fractions (A-D) during the purification process of AuCDs. Samples were prepared as aqueous solutions, and the analysis was performed in the 200-700 nm range. AuCDs = Fraction D.

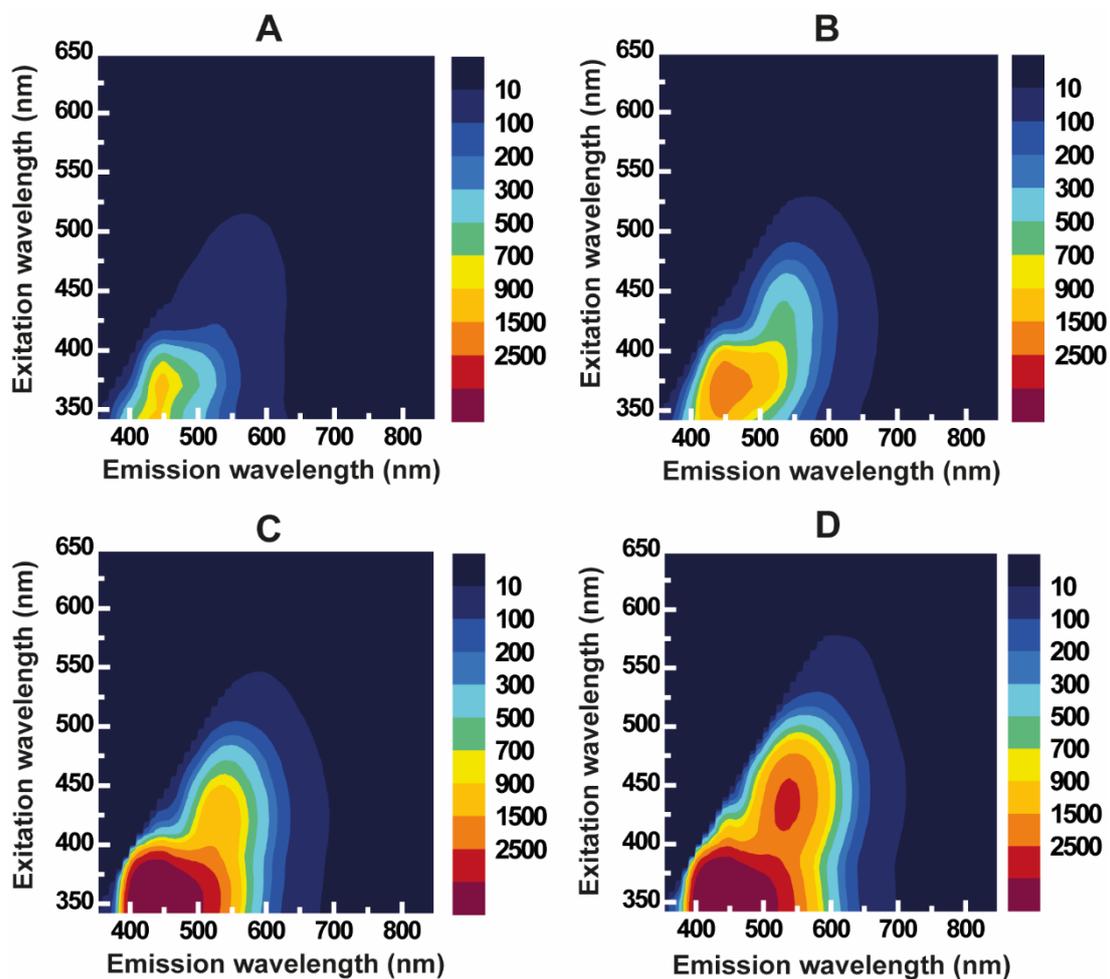


Figure S3. 3D fluorescence emission spectra of fractions (A-D) collected during the purification process of AuCDs. Samples were prepared as aqueous solution. Fluorescence emission spectra were recorded in the 360 – 850 nm range (λ_{ex} 350 – 650 nm).

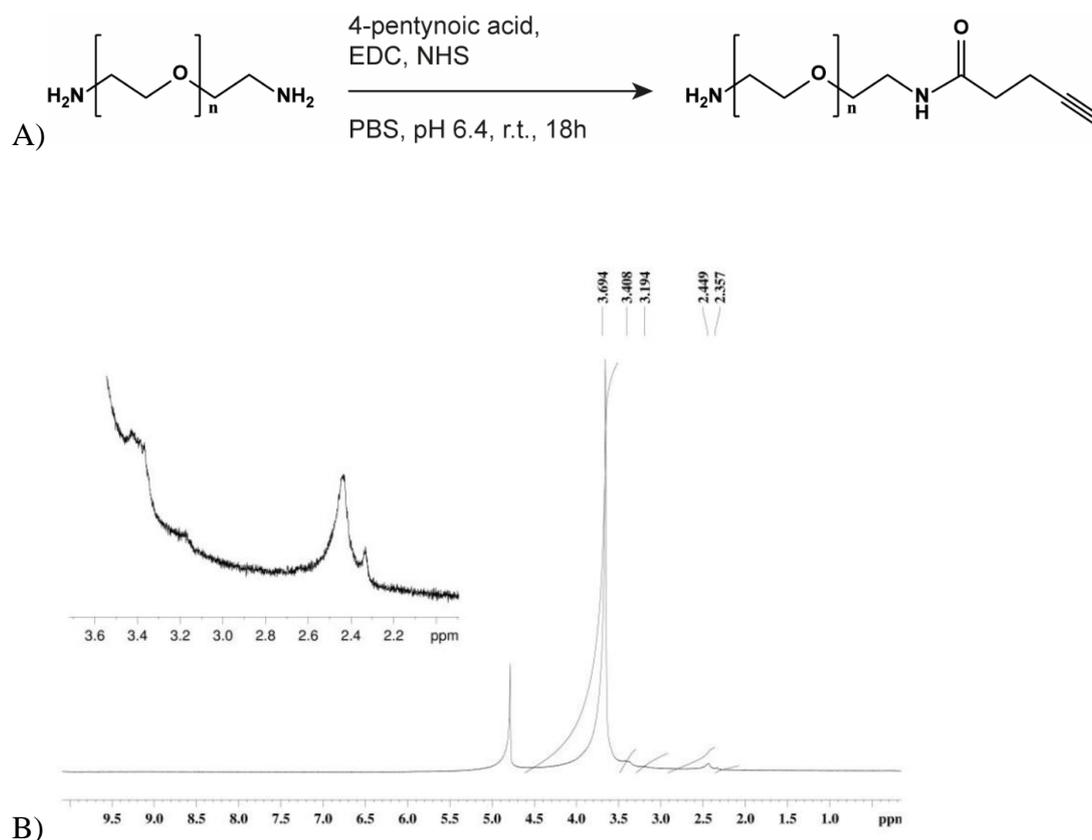


Figure S4. Synthesis of the amino-PEG-alkyne (NH₂-PEG-CC). Synthetic pathway adopted for the synthesis of the NH₂-PEG-CC (A). ¹H NMR spectrum in D₂O (300 MHz) (B).