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Supplementary Information for

Modified Bismuth Nanoparticles: A New Targeted Nanoprobe for CT Imaging of Cancer

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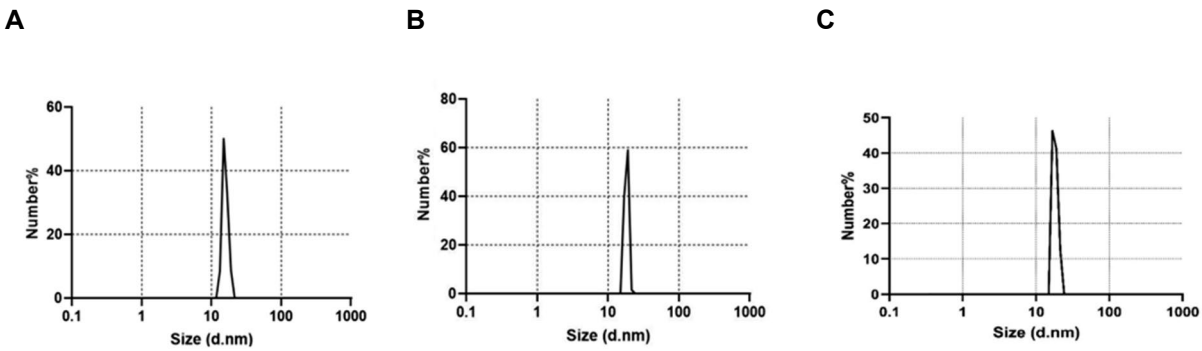

Fig.S1: Characterization of targeted and non-targeted Bismuth nanoparticles. **A.** Hydrodynamic size of Bi2S3 @ BSA, **B.** Bi2S3 @ BSA-Triptorelin NPs, and **C.** Bi2S3 @ BSA-Triptorelin NPs after 24 hours incubation in the culture medium. NPs; Nanoparticles.

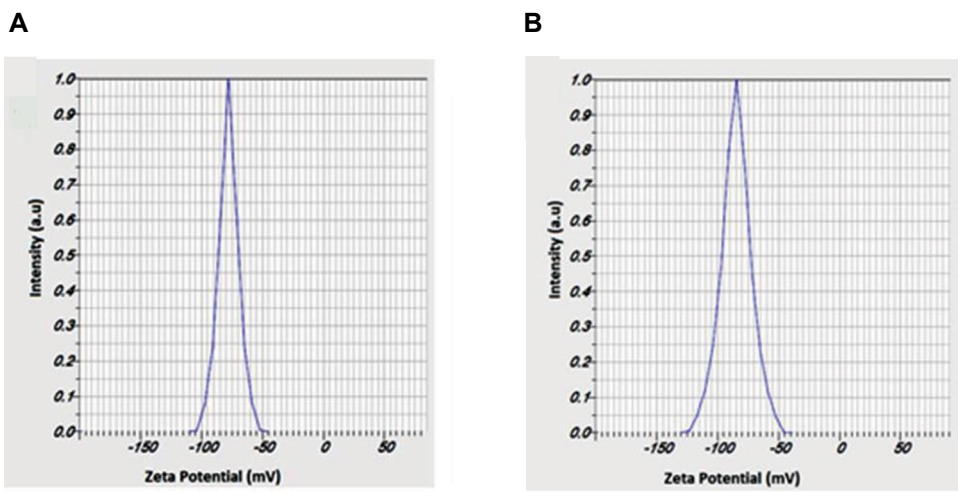

Fig.S2: Characterization of targeted and non-targeted Bismuth nanoparticles. **A.** Zeta potential of Bi2S3 @ BSA and **B.** Bi2S3 @ BSA-Triptorelin NPs. NPs; Nanoparticles.

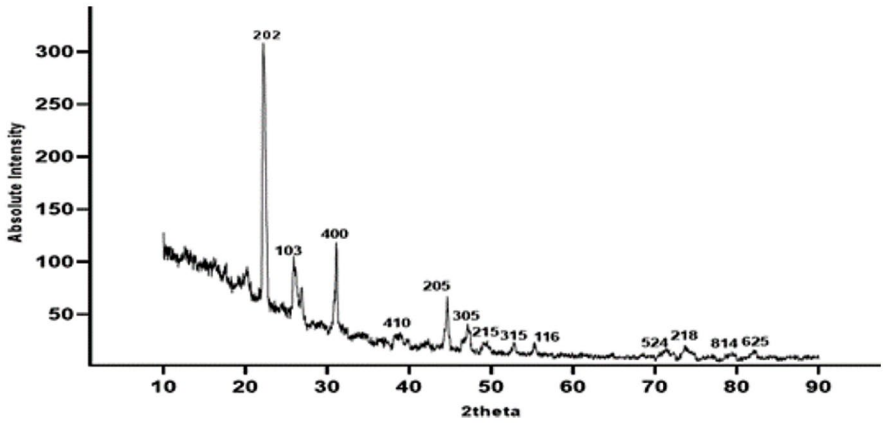

Fig.S3: XRD pattern of Bi2S3 NPs. NPs; Nanoparticles.

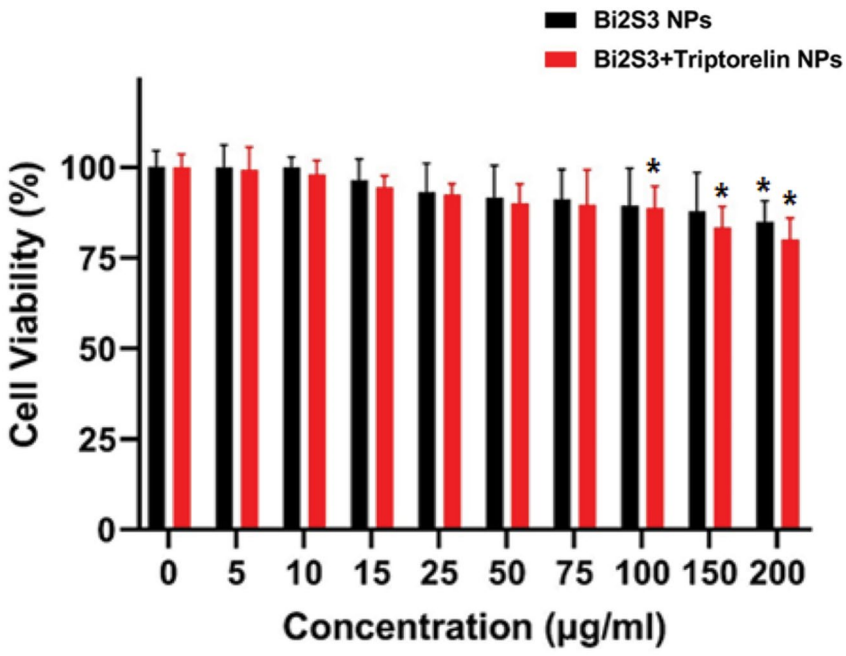

Fig.S4: Viability of MCF-7 cells in the presence of targeted and non-targeted Bi2S3 NPs. NPs; Nanoparticles.