Electronic Supplementary Material (ESI) for Nanoscale

Supplementary Information

for

Photosensitizer-Doped Conjugated Polymer Nanoparticles for Simultaneous Two-photon Imaging and Two-photon Photodynamic Therapy in Living Cells

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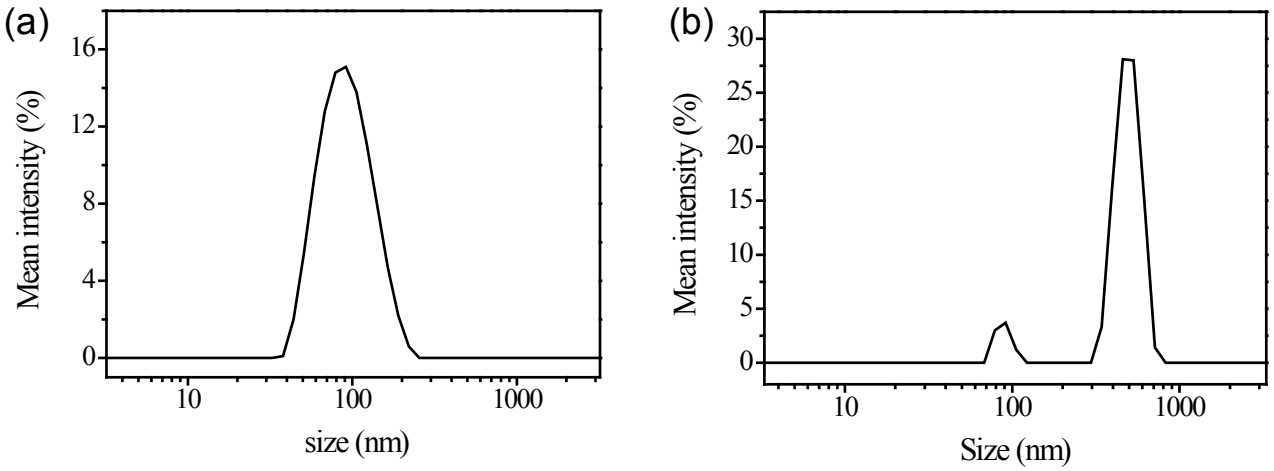

Figure S1. Size distribution of unmodified nanoparticles T-P NPs in distilled water **(a)** and PBS buffer solution **(b)**. The size distribution was measured by DLS. The size of the T-P NPs in distilled water is about 80 nm. The distribution of the T-P NPs in PBS is polydispersion. The dominant peak is at about 550 nm, indicating severe aggregation in PBS buffer solution.

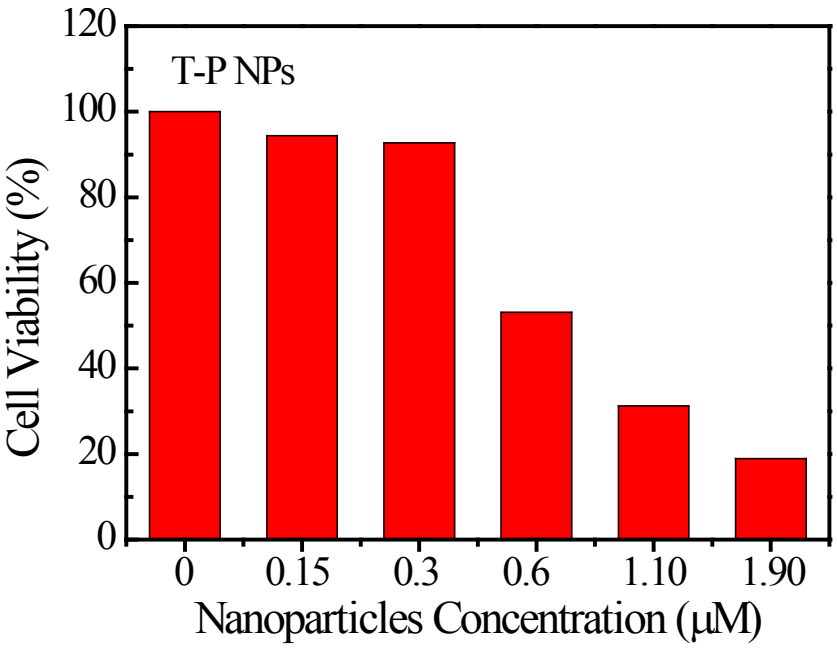

Figure S2. Cell viability assay of $HepG_2$ cancer cell treated with unmodified nanoparticles T-P NPs ranged from 0 to 1.9 μM [polymer repeat unit] for 24 h in dark. The cell viability severe decreased when the concentration is larger than 0.3 μM.