

Mussel Inspired Preparation of High Dispersible and Biocompatible Carbon Nanotubes

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Results

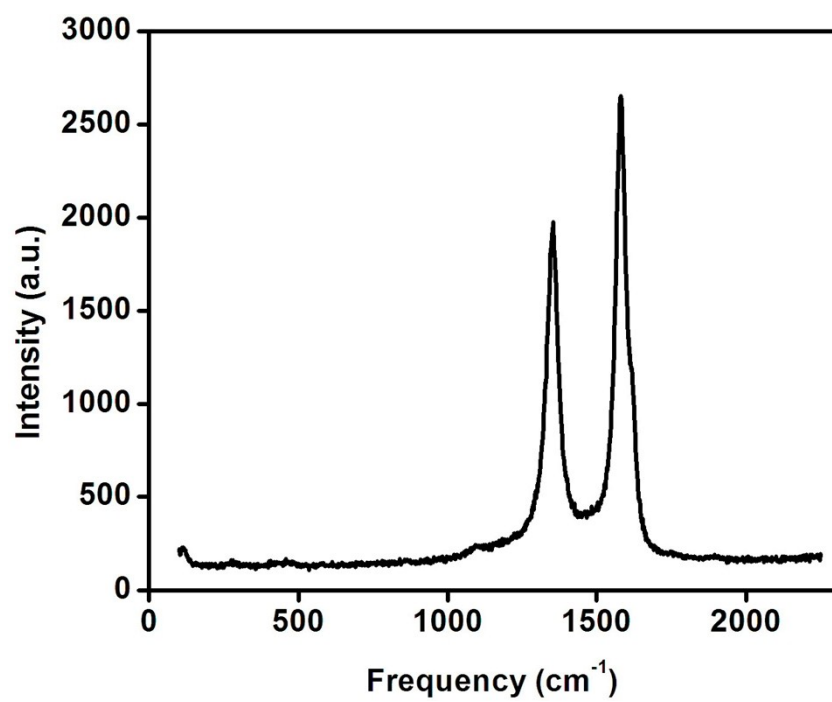


Fig. S1 Raman spectrum of CNT-poly(PEGMA-co-IA-DA).

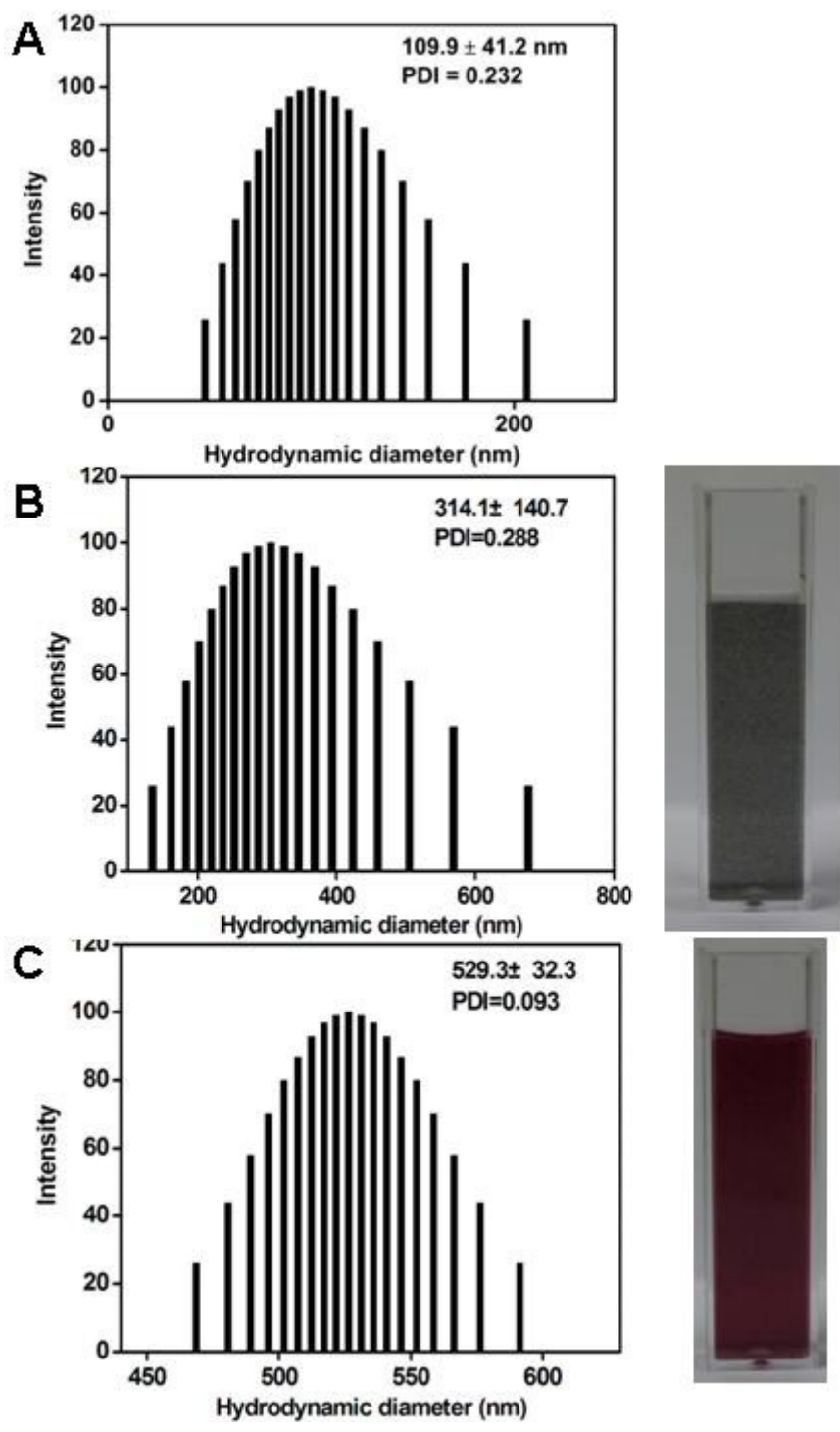


Fig. S2 Hydrodynamic size of CNT-poly(PEGMA-co-IA-DA) in deionized water (A), PBS (B) and DMEM (C) determined by dynamic laser scattering. The upper cuvette shows the CNT-poly(PEGMA-co-IA-DA) in PBS for 2 h. And the below cuvette shows the CNT-poly(PEGMA-co-IA-DA) in DMEM for 2 h.

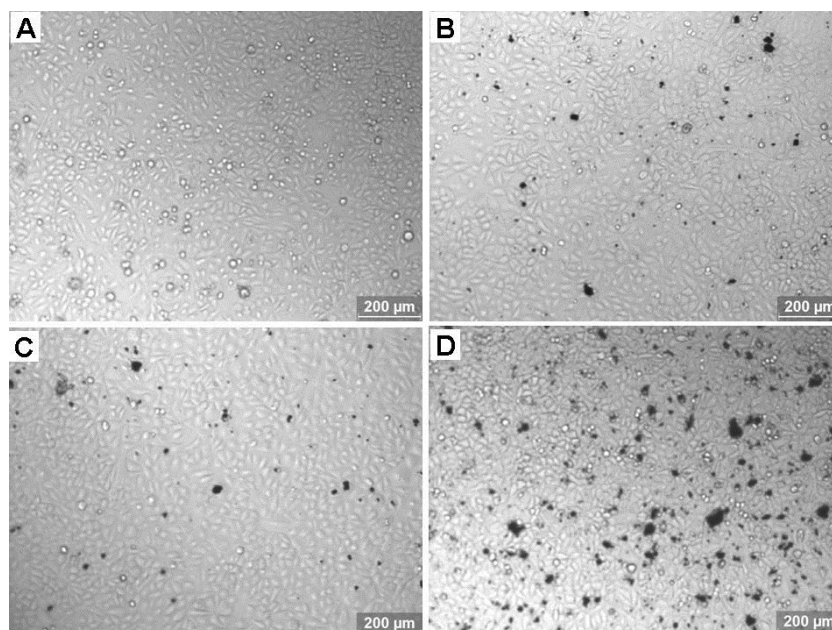


Fig. S3 Optical microscopy observation of HepG2 cells incubated with different concentrations of CNT-poly(PEGMA-co-IA-DA). (A) Control cells, (B) $10 \mu\text{g mL}^{-1}$, (C) $40 \mu\text{g mL}^{-1}$, (D) $80 \mu\text{g mL}^{-1}$.

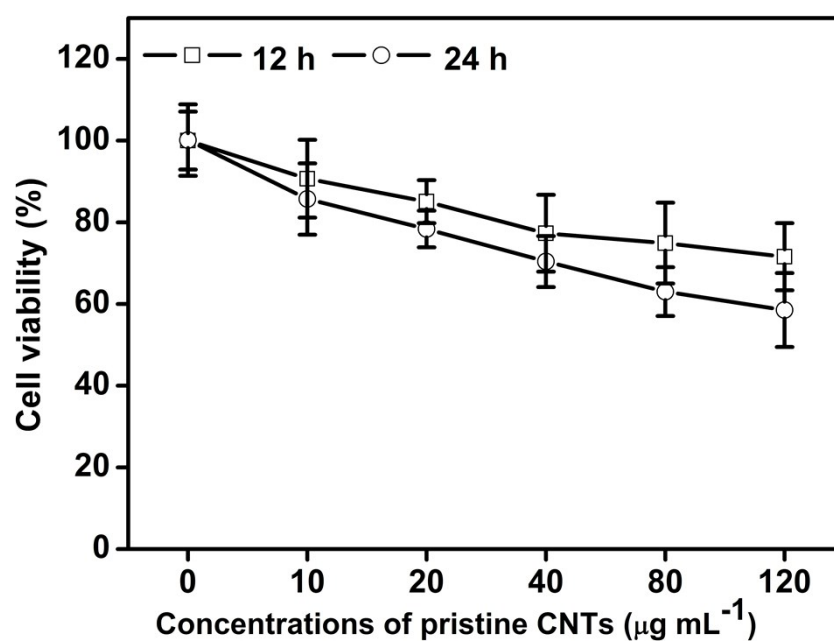


Fig. S4 Cell viability of pristine CNTs with HepG2 cells for 12 and 24 h. The concentration of pristine CNTs was ranged from 0-120 $\mu\text{g mL}^{-1}$.