

Supporting Information for

Facile Preparation of Doxorubicin-Loaded and Folic Acid-Conjugated Carbon Nanotubes@Poly(N-vinyl pyrrole) for Targeted Synergistic Chemo-Photothermal Cancer Treatment

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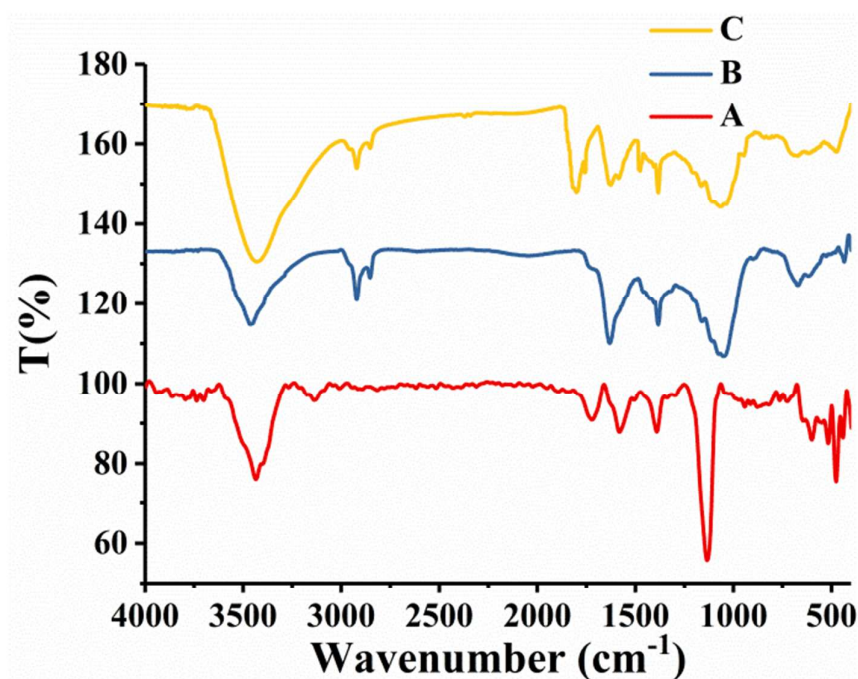


Fig. S1. FT-IR spectrum of A: Cut MWNTs; B: MWNT@PVPy; and C: MWNT@PVPy-S-PEG-FA

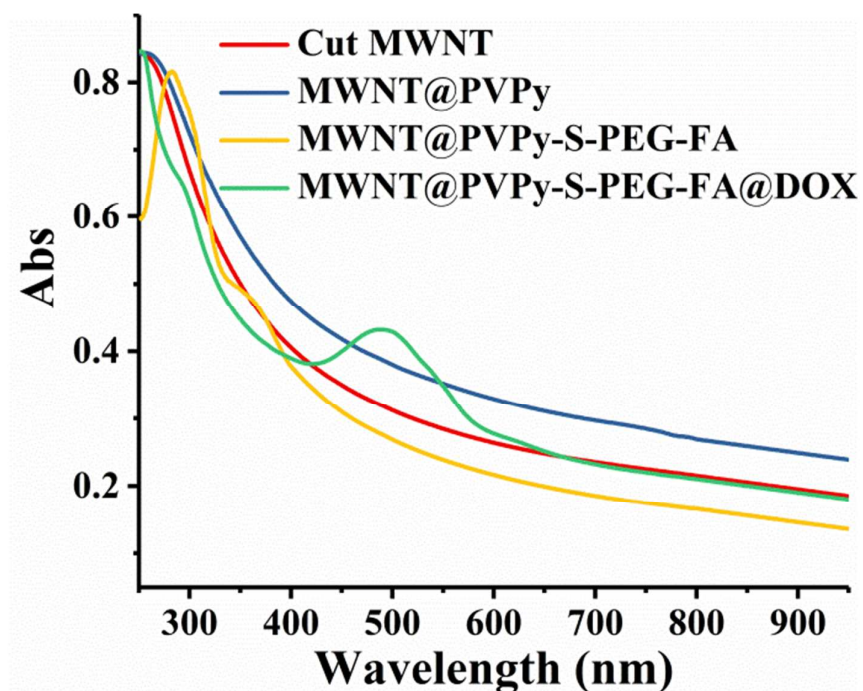


Fig. S2. UV spectra of different MWNT samples.

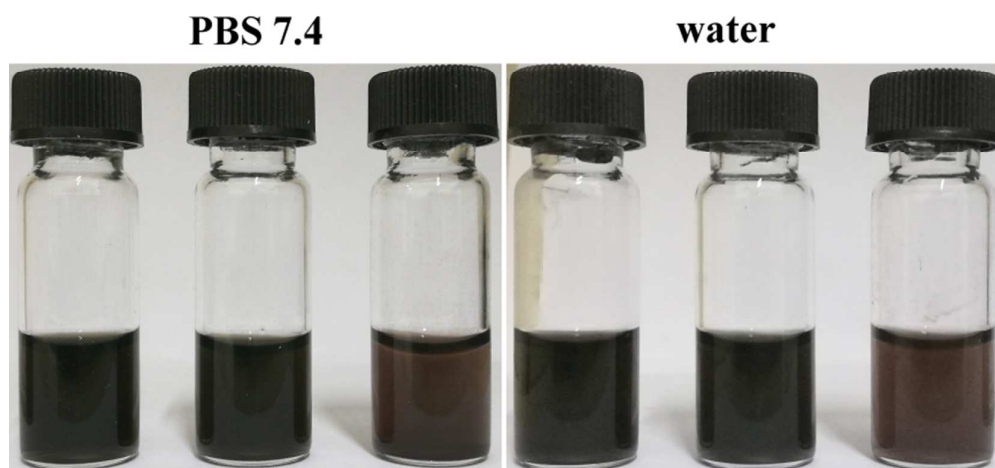


Fig. S3. Photographs of modified MWNTs in 10 mM PBS and water. Samples from left to right: MWNT@PVPy, MWNT@PVPy-S-PEG-FA, and MWNT@PVPy-S-PEG-FA@DOX ($1 \text{ mg} \cdot \text{mL}^{-1}$).

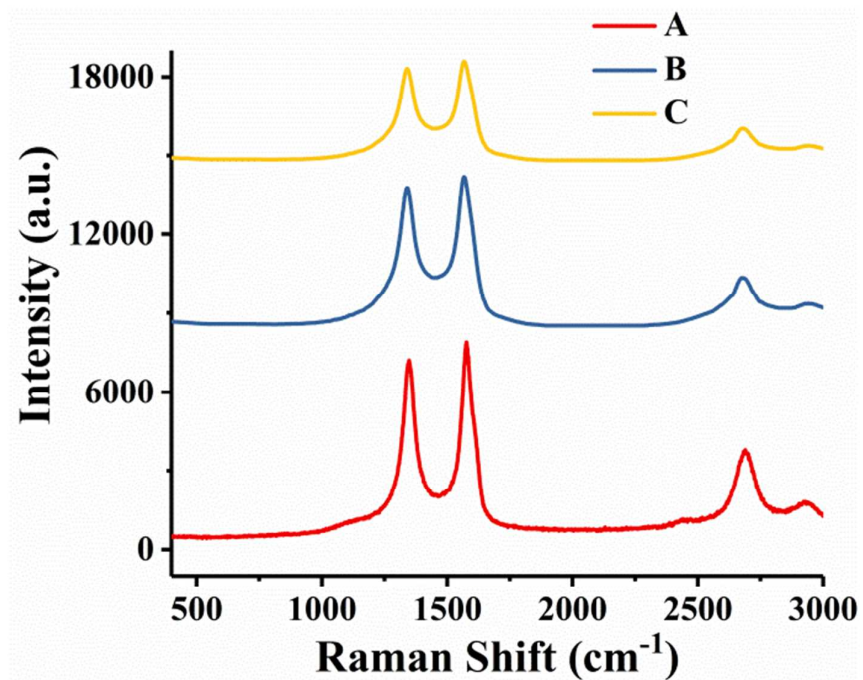


Fig. S4. Raman spectra of MWNTs. A: Cut MWNT; B: MWNT@PVPy; and C: MWNT@PVPy-S-PEG-FA.

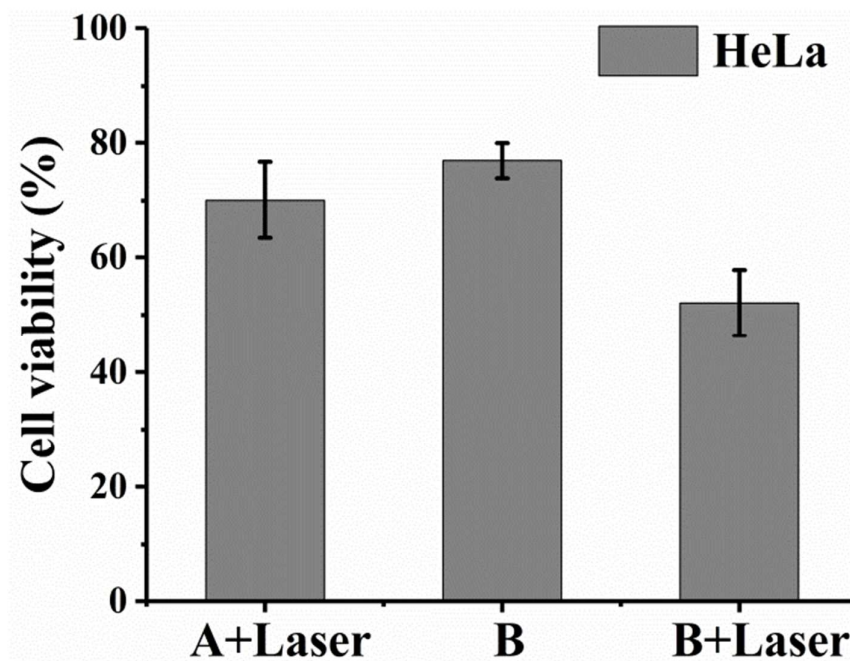


Fig. S5. Combined chemotherapy and photothermal therapy on HeLa cells incubated with A: MWNT@PVPy-S-PEG and B: MWNT@PVPy-S-PEG@DOX (functionalized mPEG-SH without FA was used instead of FA-PEG-SH) at $50 \mu\text{g}\cdot\text{mL}^{-1}$ for 24 h with subsequent laser irradiation (wavelength = 808 nm) at $1.5\text{W}\cdot\text{cm}^{-2}$ for 8 min.