Supplementary information

Folic acid conjugated polyethylenimine-modified PEGylation nanographene loaded photosensitizer: photodynamic therapy and toxicity studies *in vitro* and *in vivo*

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Figure S1. TEM image of PPG-FA (a) and PPG-FA-Ce6 (b), DLS analysis of PPG-FA (c) and PPG-FA-Ce6 (d)



Figure S2. The UV/vis absorbance spectra of FA at a series of concentrations and the standard curve of measured the absorbance of FA at 283 nm at a series of FA concentrations.



Figure S3. H&E stained images of major organs collected from untreated mice and intratumorally injected with PPG-Ce6 and intravenously injected with PPG-FA-Ce6 at day 2 post treatment.