SUPPLEMENTAL DATA

**Cabazitaxel and indocyanine green co-delivery tumor-targeting nanoparticle for
improved antitumor efficacy and minimized drug toxicity**

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Figure S1. *In vitro* cytotoxicity study against C6 cells. (A) Relative cell viability study on C6 cells treated with various concentrations of free CBX, AN-CBX, AN-ICG and AN-ICG-CBX for 48 hours. (L+) and (L-) means with or without laser irradiation, respectively. (B) Relative cell viability study on C6 cells treated with blank AN, AN-ICG and free CBX solvent for 48 hours. *, ** and *** indicate $p < 0.05$, $p < 0.01$ and $p < 0.001$ versus AN-ICG-CBX (L+) group, respectively. ($n=3$, mean $\pm$ SD).

Figure S2. *In vitro* cytotoxicity study against PC-3 cells. (A) Relative cell viability study on PC-3 cells treated with various concentrations of free CBX, AN-CBX, AN-ICG and AN-ICG-CBX for 48 hours. (L+) and (L-) means with or without laser irradiation, respectively. (B) Relative cell viability study on PC-3 cells treated with blank AN, AN-ICG and free CBX solvent for 48 hours. *, ** and *** indicate $p < 0.05$, $p < 0.01$ and $p < 0.001$ versus AN-ICG-CBX (L+) group, respectively. ($n=3$, mean $\pm$ SD).

Figure S3. H&E staining of major organs of tumor-bearing BALB/c mice after treatment with saline, AN-CBX, free CBX, blank AN or free CBX solvent. (n = 6, mean $\pm$ SD)

Figure S4. Ex vivo imaging. (A) *Ex vivo* fluorescence images of major organs of BALB/c mice at 8 hours after administration saline, free ICG or AN-ICG, respectively. (B) The average fluorescence intensity of *ex vivo* major organs of BALB/c mice at 8 hours after administration of free ICG or AN-ICG, respectively. ** and *** indicated $p < 0.01$ and $p < 0.001$, respectively. (n=3, mean $\pm$ SD).

Figure S5. H&E staining of major organs of tumor-bearing BALB/c mice after treatment with saline, AN-ICG (L+), free CBX, AN-CBX, AN-ICG-CBX or AN-ICG-CBX (L+). (n = 5, mean $\pm$ SD) and (L+) means with laser irradiation.