

## **Supporting Information**

### **An Efficient Photo-Chemo Combination Therapeutic Platform Based on Targeted Reduction-Responsive Self-Crosslinked Polymer Nanocapsules**

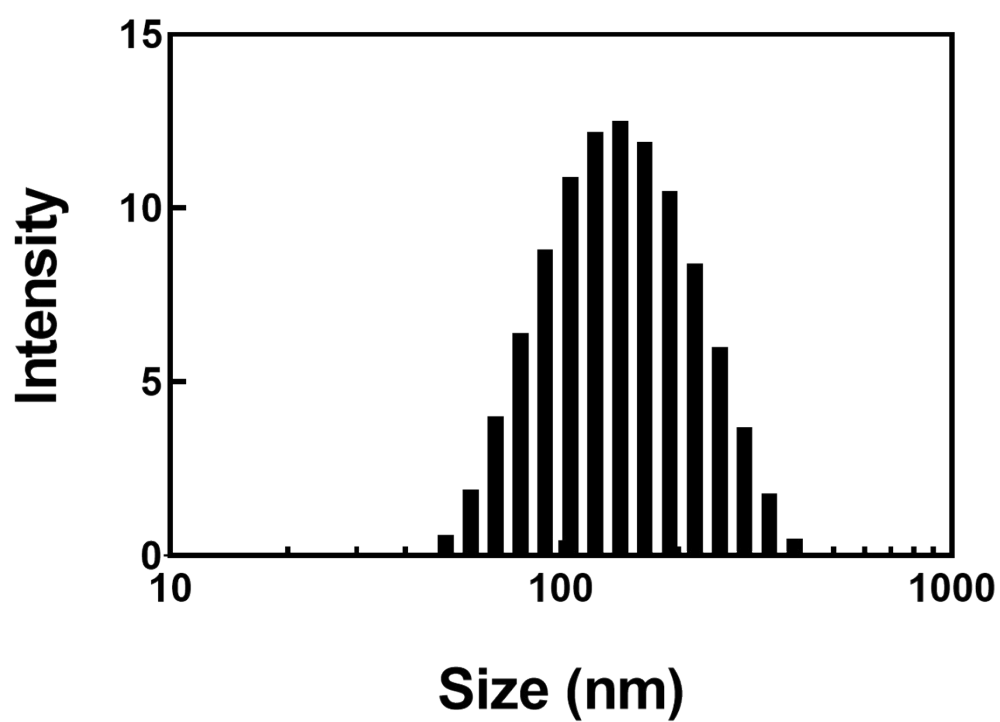
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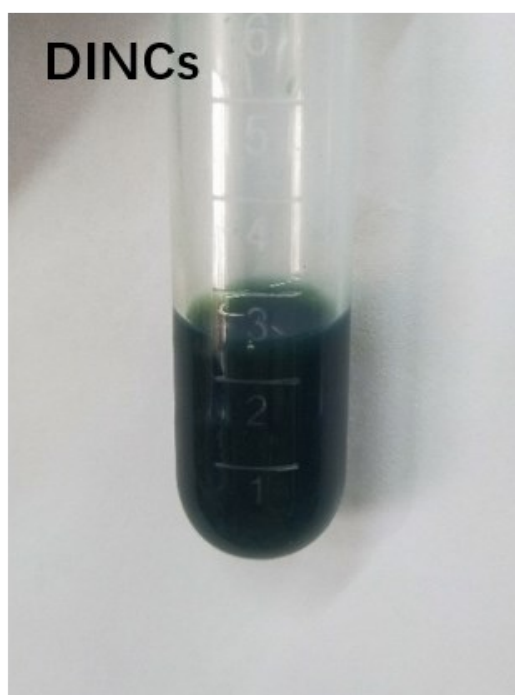
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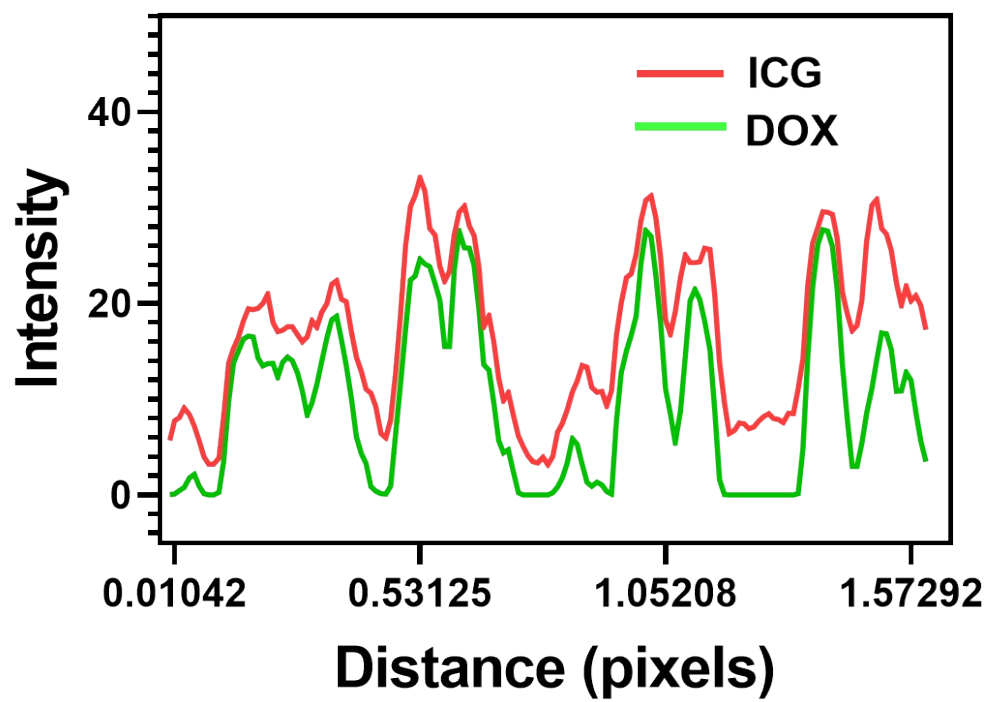
E-mail: wangjx@mail.buct.edu.cn. zhangjj@mail.buct.edu.cn.



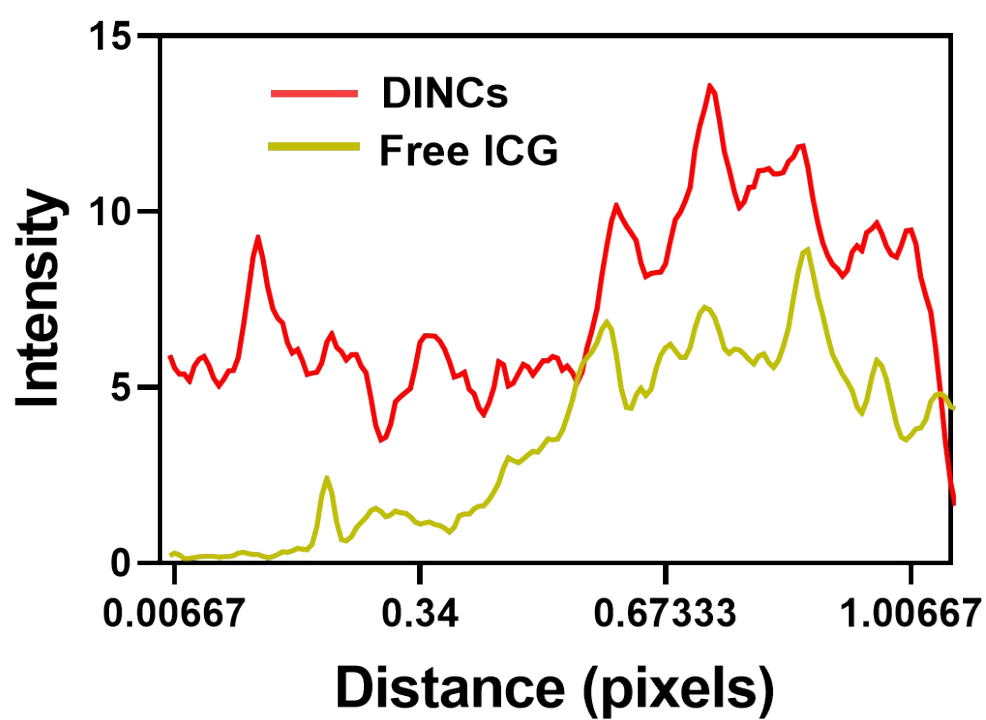
**Figure S1.** The particle size distribution of DINCs dispersed in PBS buffer for 1 week incubation.



**Figure S2.** Stability of free ICG and DINCs dispersed in PBS after a month.



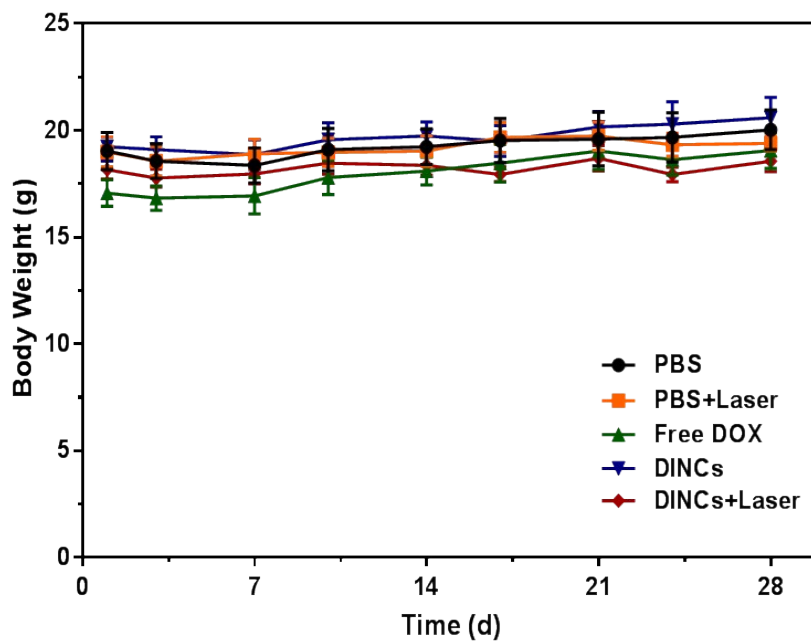
**Figure S3.** The fluorescence colocalization analysis of SCC-15 cells after treatment with DINCs plus laser irradiation by ImageJ.



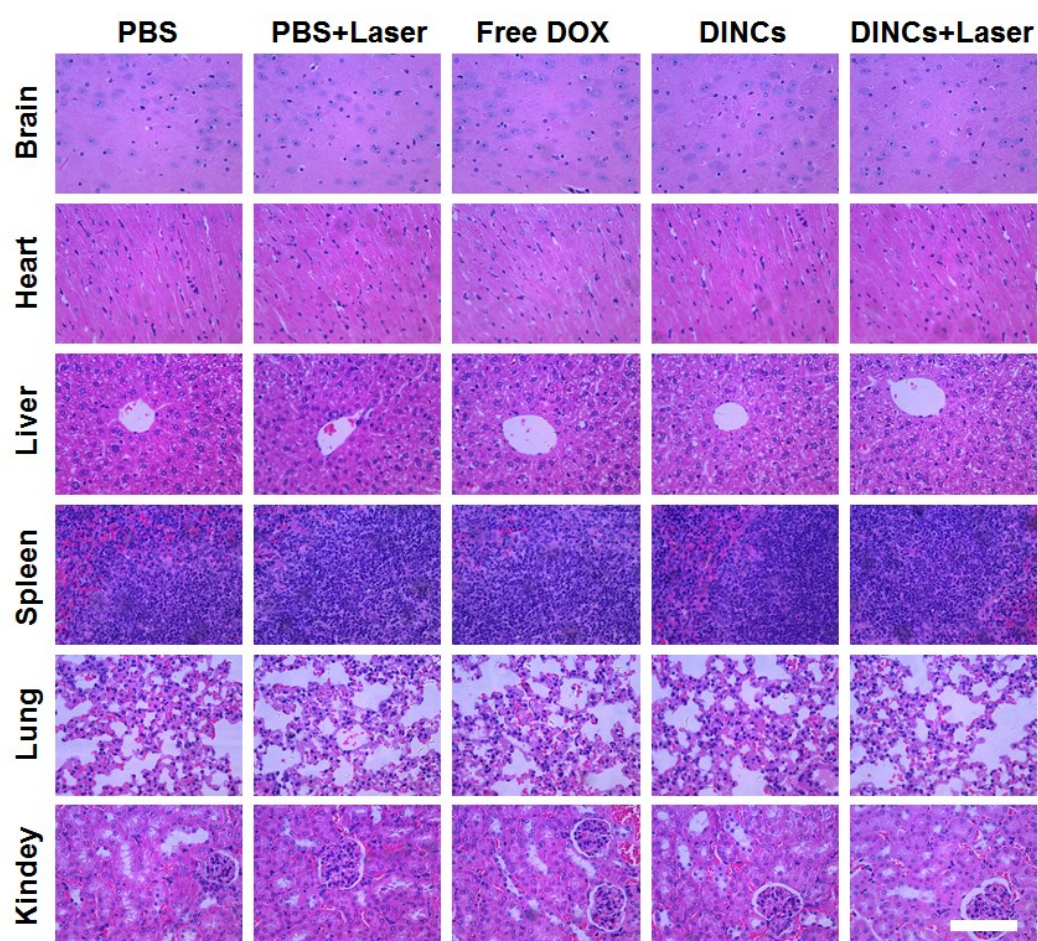
**Figure S4.** Fluorescence intensity analysis of ICG within the tumor section after intravenous injection with free ICG and DINC at 48 h by ImageJ.



**Figure S5.** Combined treatment of DINC<sub>s</sub> yielded higher synergistic therapy effect and no tumor recurrence was noted over a course of 21 days.



**Figure S6.** Body weight curves of the mice after treating with PBS, PBS plus laser (785 nm, 2.0 W cm<sup>-2</sup>, 5 min), free DOX, DINC s, and DINC s plus laser (785 nm, 2.0 W cm<sup>-2</sup>, 5 min) at 28 d postadministration.



**Figure S7.** Histological examination for mice treated with PBS, PBS plus laser (785 nm, 2.0 W cm<sup>-2</sup>, 5 min), free DOX, DINCs, and DINCs plus laser (785 nm, 2.0 W cm<sup>-2</sup>, 5 min) at 28 d postadministration. Scale bar: 50 μm.