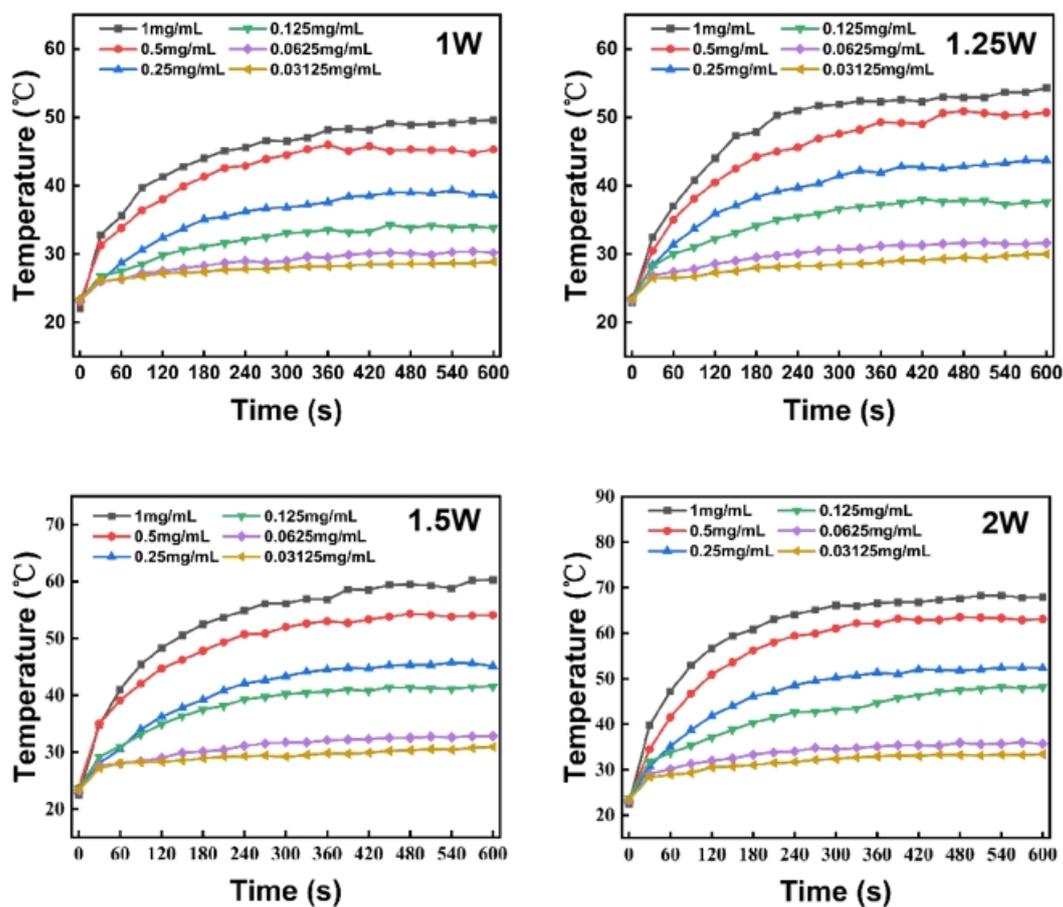


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Fig. S1 Elemental mapping of B-Nb₂O_{5-x} and B-Nb₂O_{5-x}@DA.



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Fig. S2 Temperature variation of B-Nb₂O_{5-x}@DA@E/A dispersion with different concentrations over time under 808 nm laser irradiation at different powers.

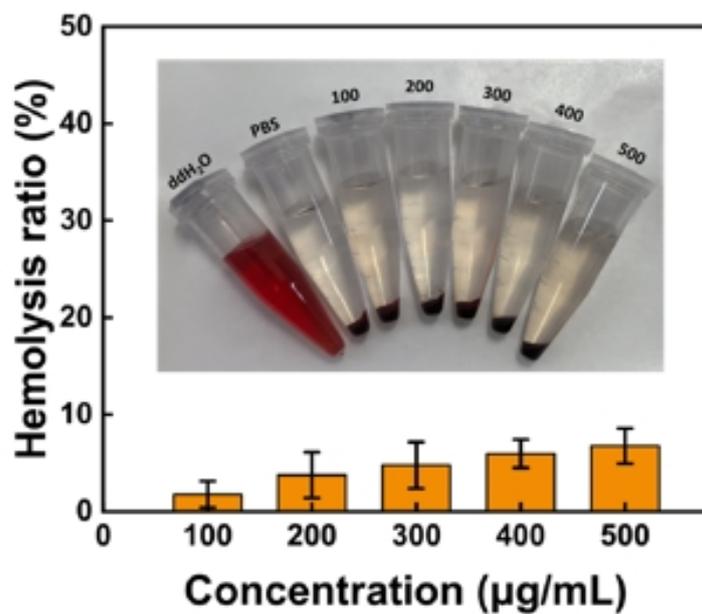


Fig. S3 Hemolysis rate of B-Nb₂O_{5-x}@DA@E/A at different concentrations.

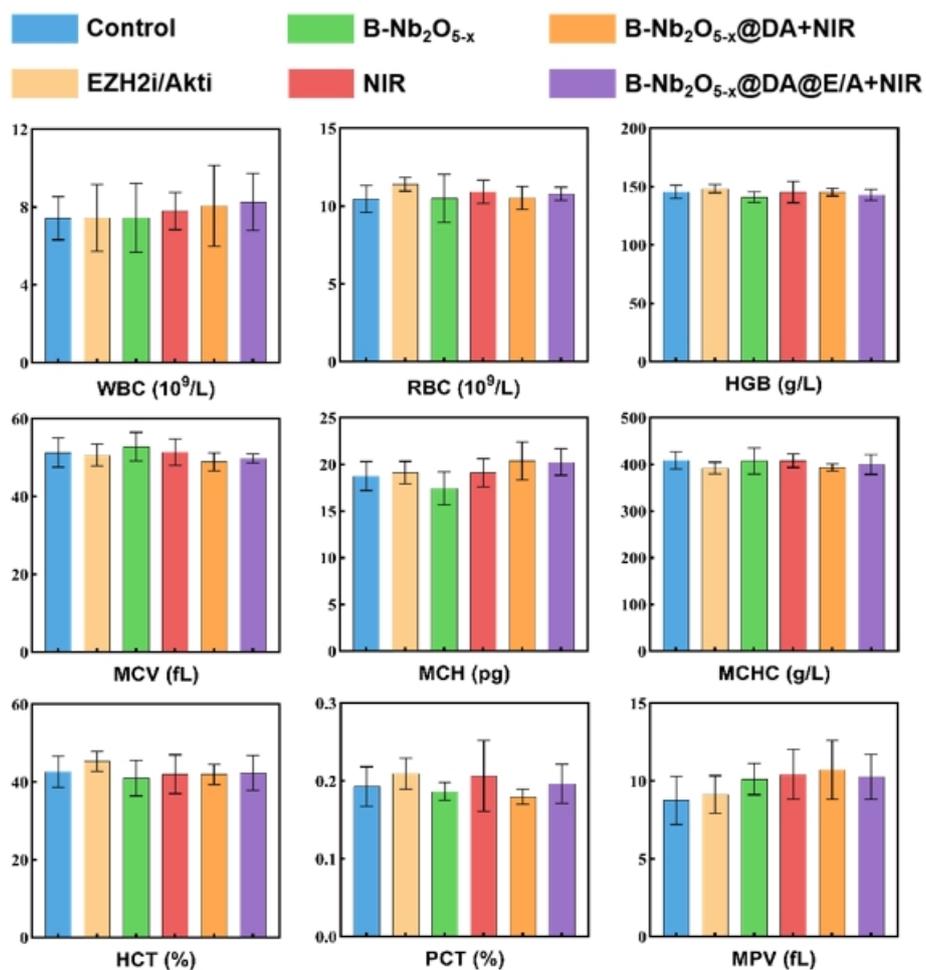
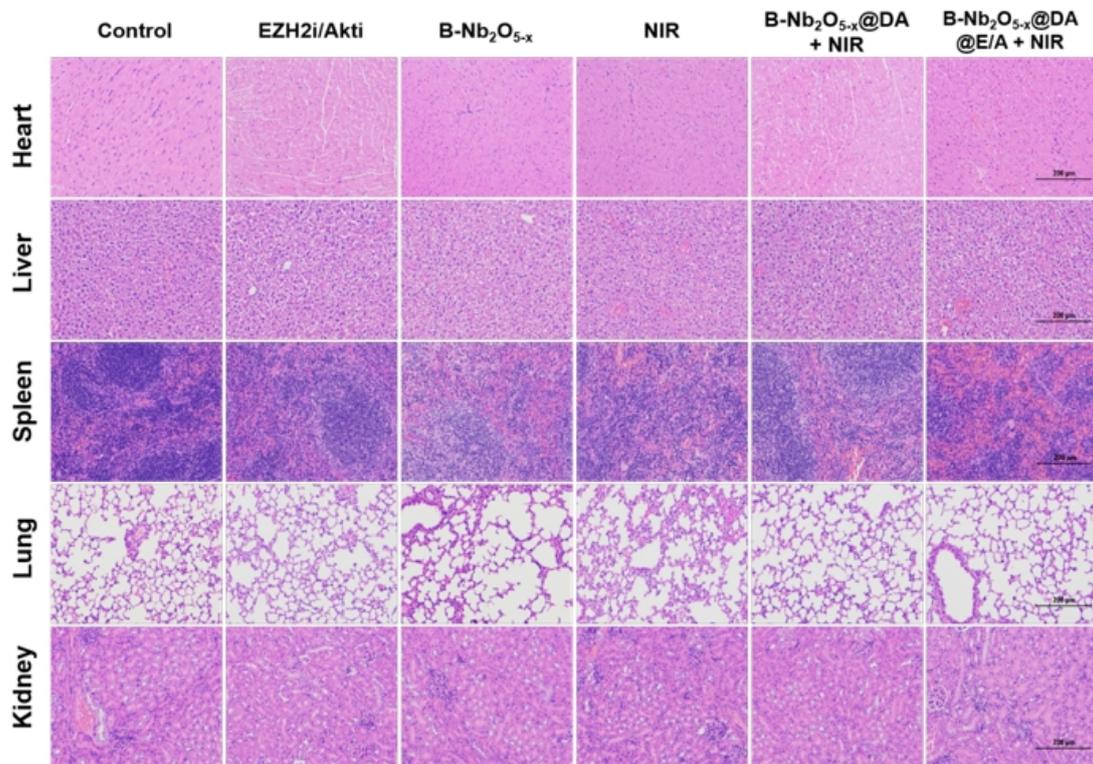


Fig. S4 Hematological analysis of mice treated with different methods.

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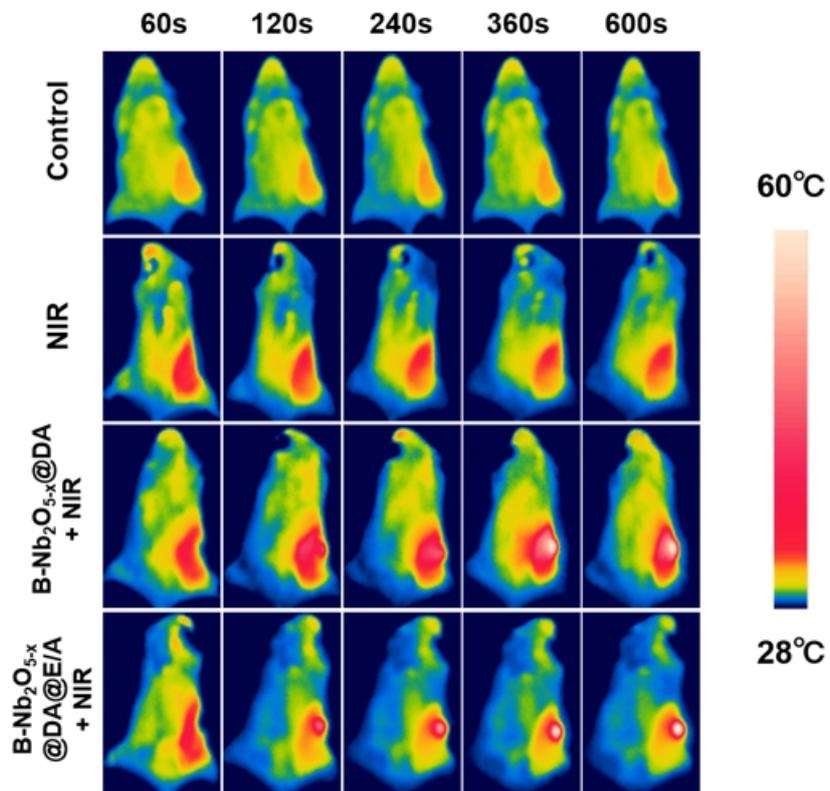
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Fig. S5 H&E staining of major organs in 4T1 tumor bearing mice subjected to different treatment groups.



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Fig. S6 Infrared images of 4T1 tumor bearing mice treated with different methods.