

## Supporting information

### The synthesis of core-shell $\text{Cu}_9\text{S}_5@\text{mSiO}_2\text{-ICG@PEG-LA}$ for photothermal and photodynamic therapy

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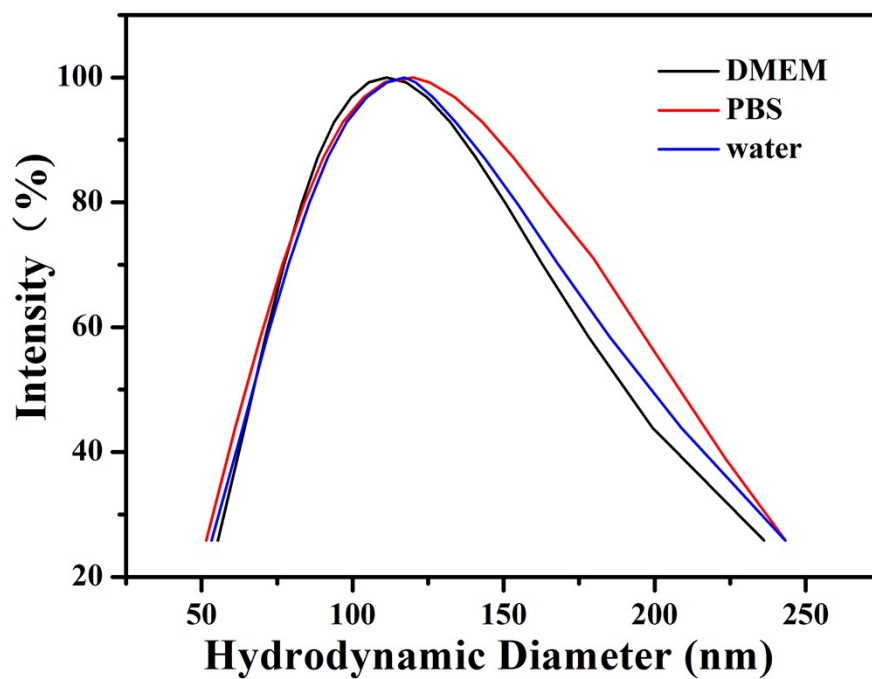


Fig. S1 The DLS analysis of  $\text{Cu}_9\text{S}_5@\text{mSiO}_2\text{-ICG@PEG-LA}$  in water, PBS and DMEM solution. There are not obvious changes between these media, showing the well dispersed stability of  $\text{Cu}_9\text{S}_5@\text{mSiO}_2\text{-ICG@PEG-LA}$ .