

Real-Time Drug Release Monitoring from pH-Responsive CuS-encapsulated Metal-Organic Frameworks

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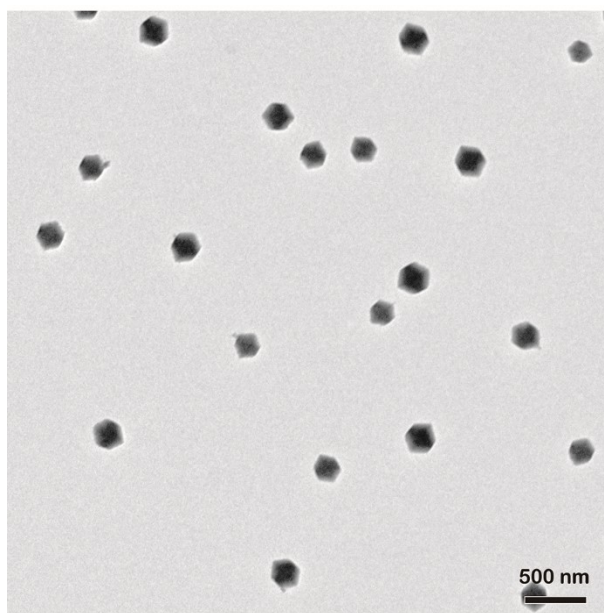


Fig. S1 TEM images of ZIF-8.

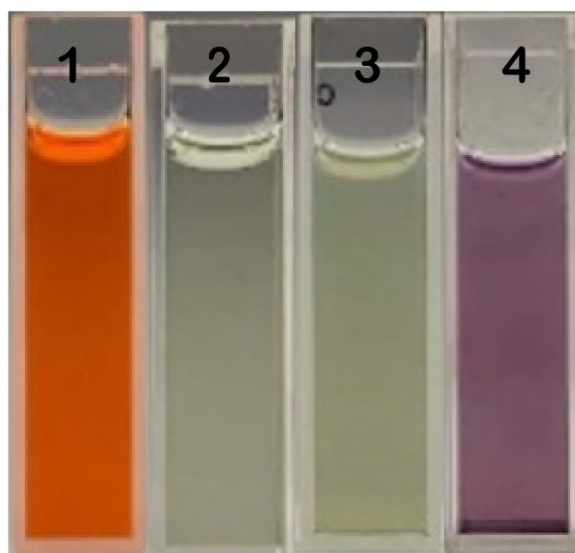


Fig. S2 The photographs of 1: DOX, 2: CuS, 3: CuS@ZIF and 4: CuS/D@Z samples.

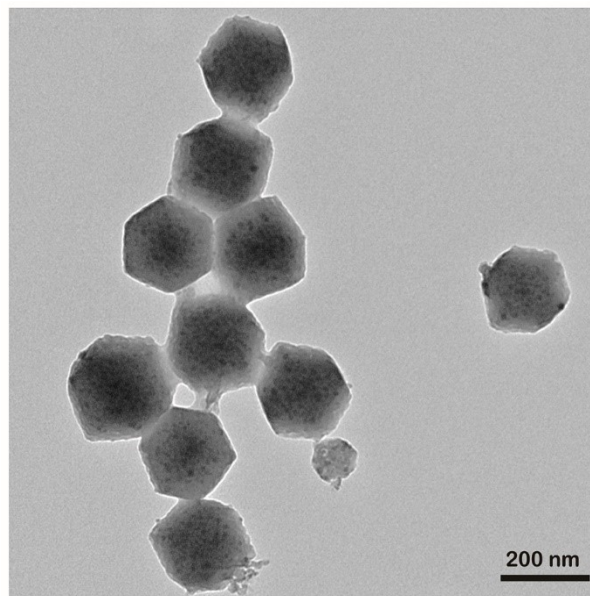


Fig. S3 TEM images of CuS/D@Z-FA.

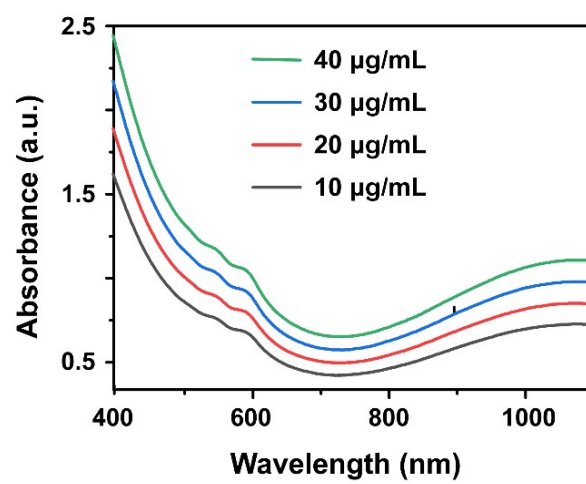


Fig S4 Absorption spectrum of different concentrations of CuS/D@Z-FA.

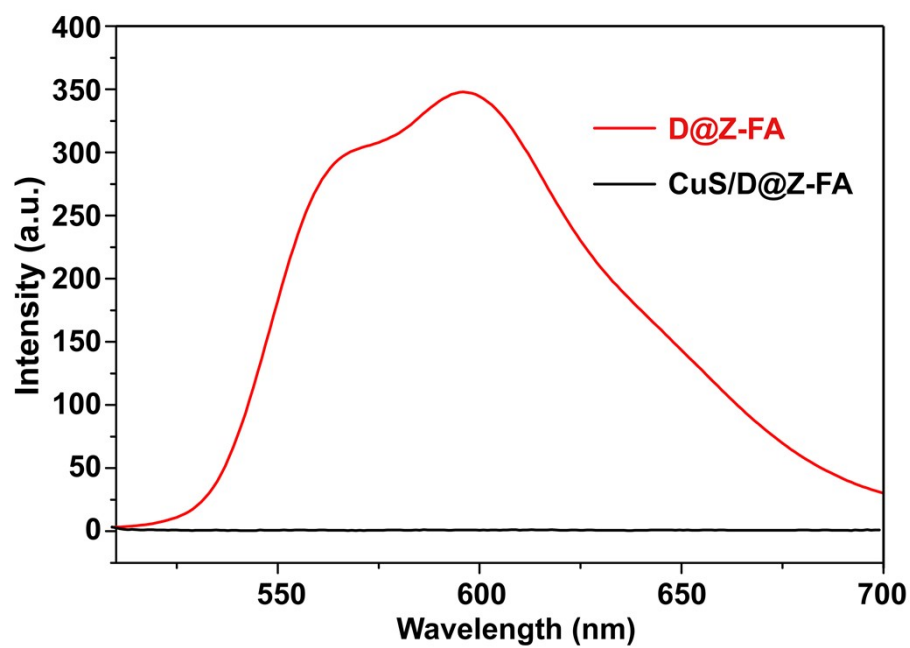


Fig S5 DOX fluoresce of D@Z-FA and CuS/D@Z-FA.

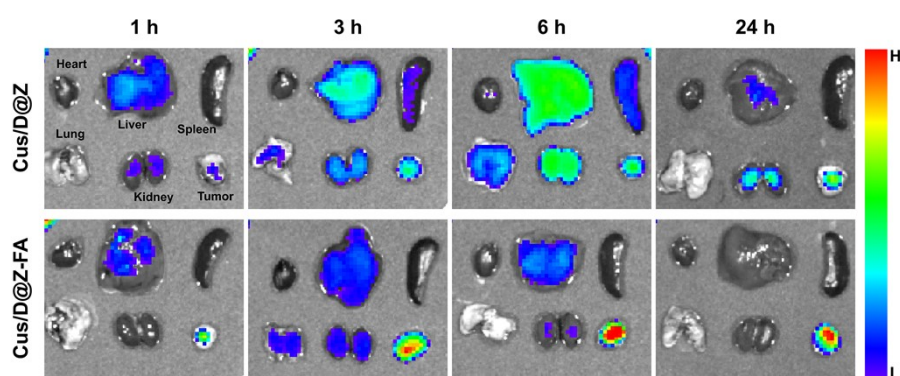


Fig S6 Representative time-dependent in vivo fluorescence imaging of tumor-bearing mice after exposure to CuS/D@Z and CuS/D@Z-FA. λ_{ex} 640 nm, λ_{em} =680 nm. Cy5 was loaded into CuS/D@Z and CuS/D@Z-FA.

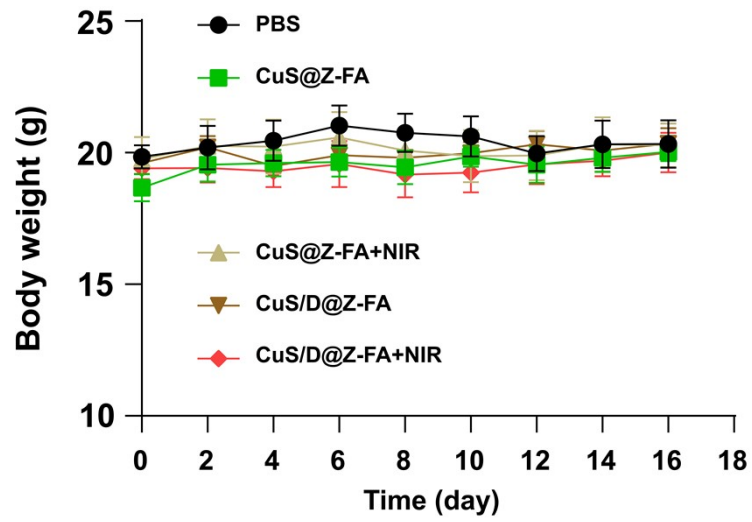


Fig S7 Body weight of treated mice during the experiment period.

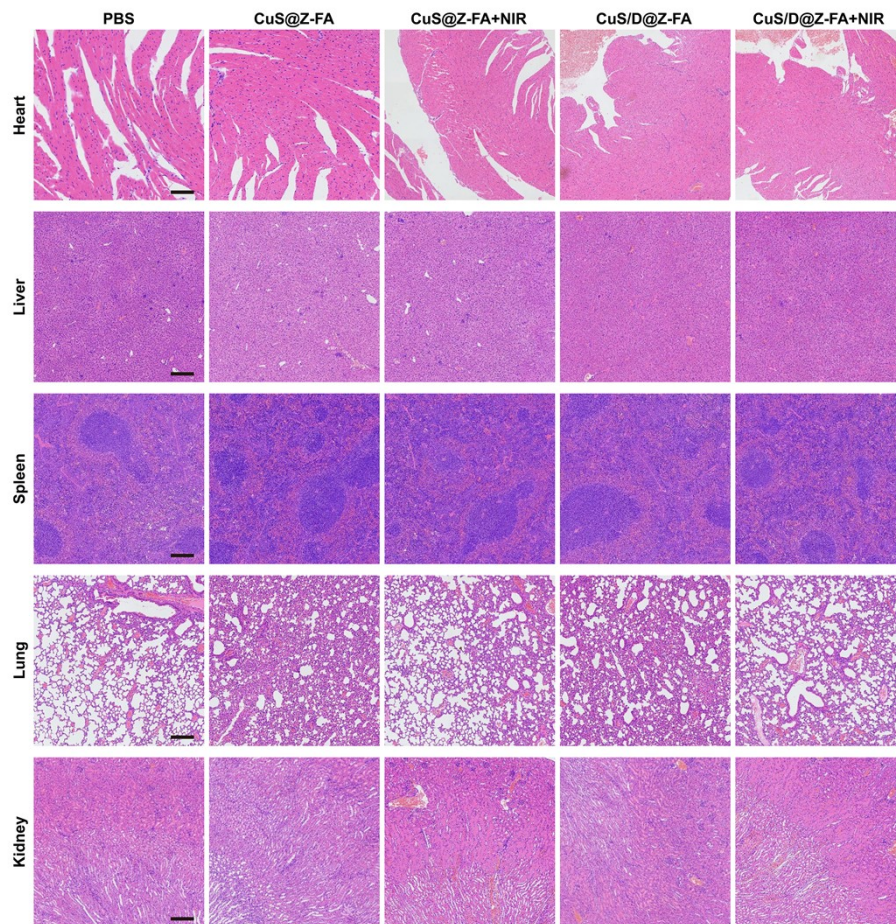


Fig S8 Histological assessments of tissues using H&E staining in the different treatment groups. Scale bars, 100 μm.

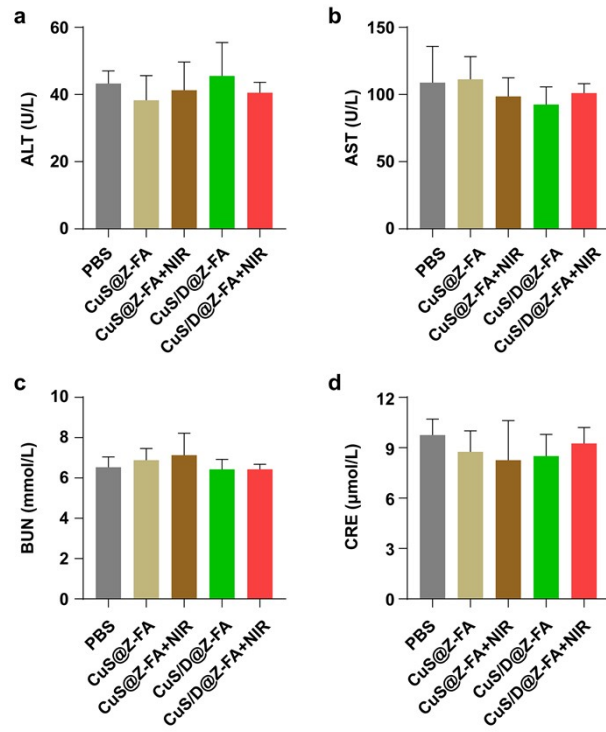


Fig S9 Serum ALT, AST, BUN and CRE levels in the different treatment groups. The data are presented as the mean \pm SD (n = 5).