

Supporting information

A bone-targeting drugs delivery vehicle of metal–organic framework conjugate with zoledronate combining photothermal for tumor inhibition in a cancer bone metastasis

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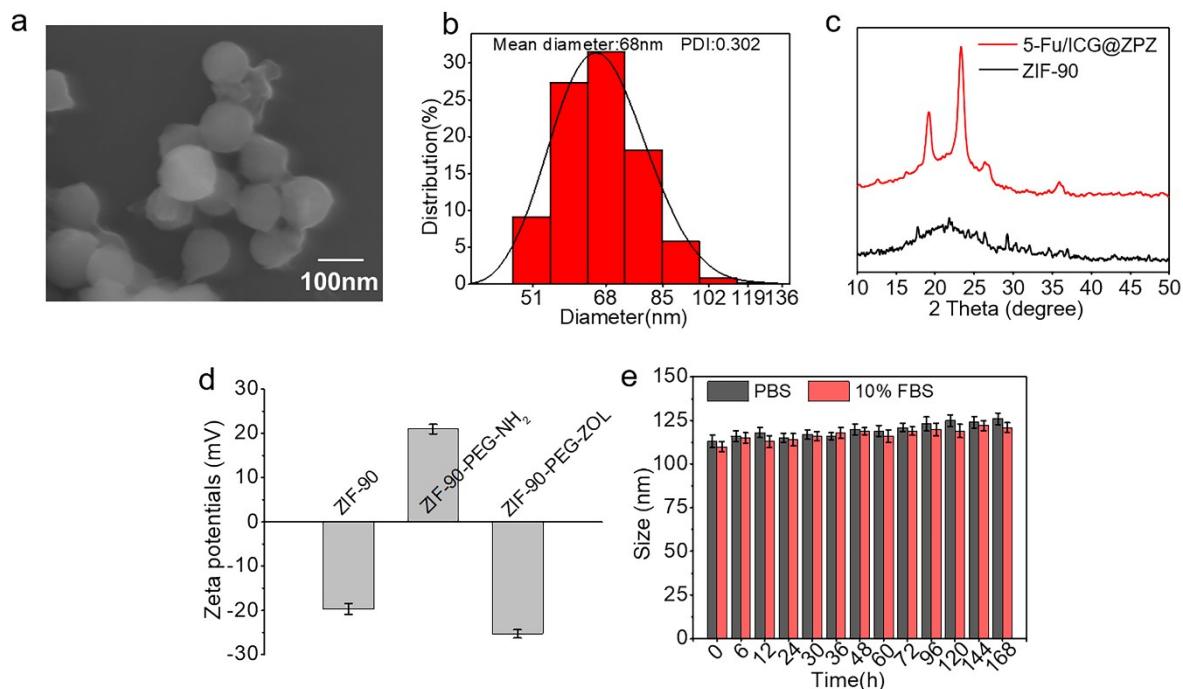


Figure S1. (a) SEM images and (b) DLS image of the particle size of ZIF-90. (c) XRD image of the particle size of ZIF-90 and 5-Fu/ICG@ZPZ (from 10°-50°). (d) Zeta potentials of ZIF-90, ZIF-90-PEG-NH₂, ZIF-90-PEG-ZOL. (e) Stability of 5-Fu/ICG@ZPZ in PBS and FBS

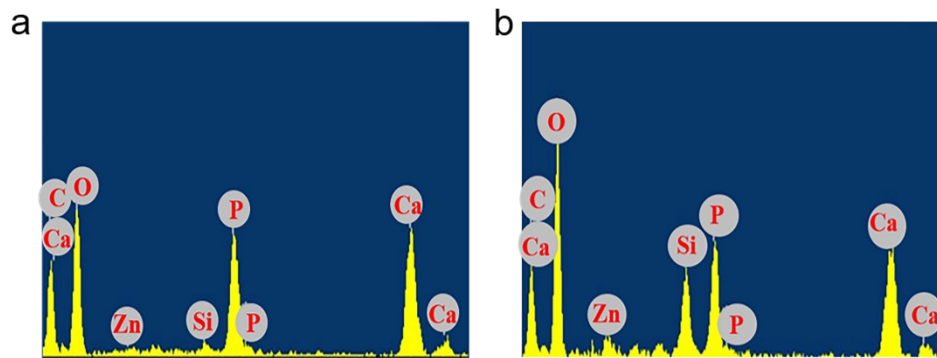


Figure S2. Bone was incubated with nanoparticle solution (0.1 mg/mL) for 12 hours under physiological conditions. Bone was washed with PBS and dried in vacuum overnight, and (a) EDS images of ZIF-90 and (b) ZIF-90@ICG-ZOL surface interactions with bone slices.

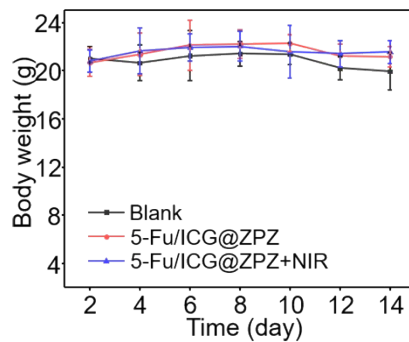


Figure S3. The body weight for different groups (blank, 5-Fu/ICG@ZPZ, 5-Fu/ICG@ZPZ +NIR) of mice with treatment on 14 days in parallel.