

SUPPORTING INFORMATION

**Urchin-like Ce/Tb co-doped GdPO₄ hollow spheres for
in vivo luminescence/X-ray bioimaging and drug
delivery**

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Movie S1. The 3D *in vivo* X-ray bioimaging of the GdPO₄:Ce/Tb hollow spheres. The images were captured by the multimodal animal rotation system (MARS, per 10° ranging from 0 to 360°) and exported as a video at 5 frames per second.

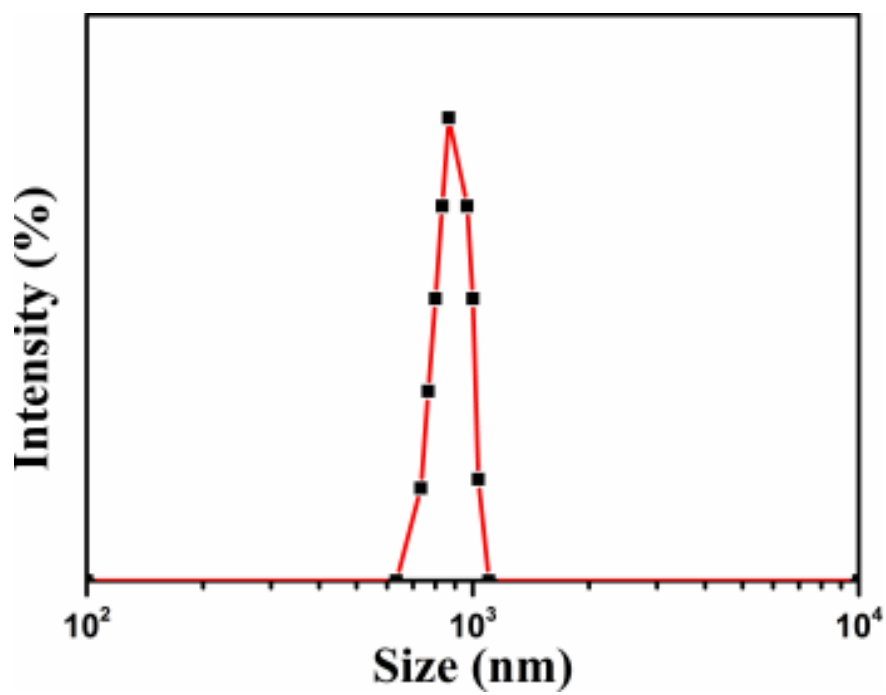


Figure S1. Diameter distribution determined by dynamic light scattering

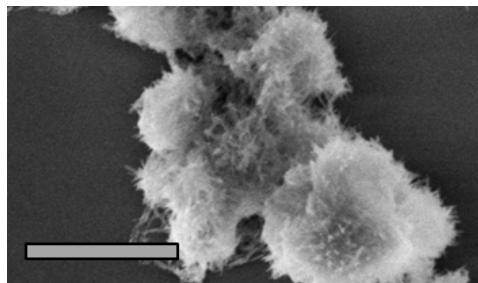


Figure S2. FE-SEM image of the $\text{GdPO}_4:\text{Ce}/\text{Tb}$ hollow spheres after releasing the drug. The scale bar is 1000 nm.