Supporting information

Versatile labeling of multiple radionuclides onto a nanoscale metal-

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organic framework for tumor imaging and radioisotope therapy

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Figure S1. EDX elemental mapping image of PCN-224.



Figure S2. (a) Zeta potential of PCN-224 and PCN-PEG nanoparticles. (b) Hydrodynamic diameter of PCN-PEG in water, 10% FBS and PBS measured by dynamic laser scanning.



Figure S3. (a) Radiolabeling stability of ¹⁷⁷Lu-PCN-PEG for 24 h. (b) Radiolabeling stability of ¹²⁵I-PCN-PEG for 48 h.



Figure S4. The fluorescent spectra of PCN-PEG solution under the excitation of 415-nm laser.



Figure S5. The flow cytometry analysis of 4T1 cells stained with FITC-Annexin V/PI kit after different treatments (20 μ g mL⁻¹ of TCPP, 10 μ Ci of ¹⁷⁷Lu per well) for 24 h.



Figure S6. H&E stained slices of major tissues from mice 14 days after different treatments.



Figure S7. Average body weights of mice after different treatments.