

Supporting Information for

Large-Scale Synthesis of PEGylated Lutetium Hydroxycarbonates as Nanoparticulate Contrast Agent for X-ray CT Imaging

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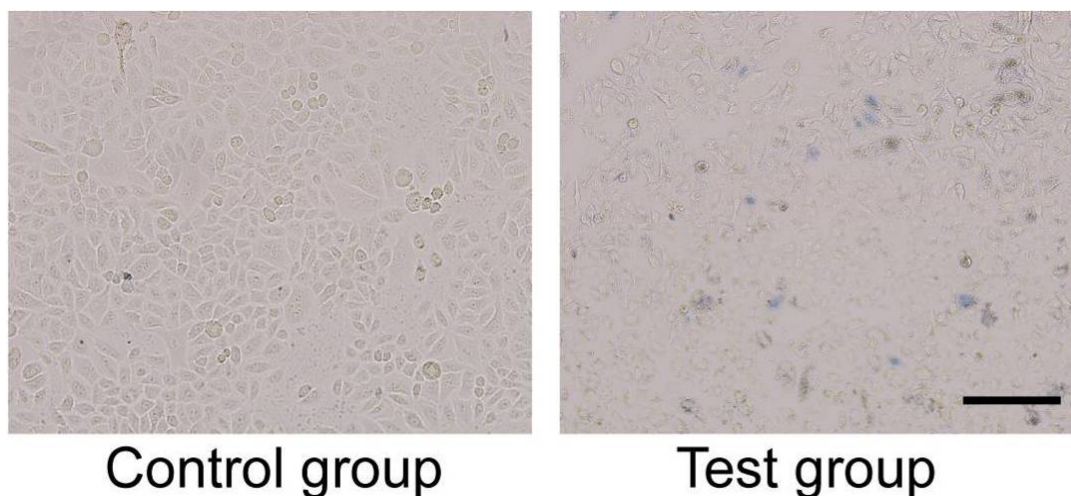


Figure S1. Microscopic images of HeLa cells incubated without and with PEG-LuNPs.

Table S1. Exact value of hemolysis percentage upon PEG-LuNPs with different concentrations.

Concentrations (mg PEG-LuNPs mL ⁻¹)	Value of hemolysis
PBS	0
water	100
0.625	0.0035
0.125	-0.0041
0.25	0.0057
0.50	0.0029
1.00	0.0077

Table S2. CT values of the heart, liver, spleen, and kidneys of a rat before and after intravenous administration of PEG-LuNPs at different timed intervals.

Time	Heart	Liver	Spleen	Kidneys
Pre-injection	52.4	57.3	56.9	47.6/47.9
20 min	53.7	96.5	74.3	46.3/47.5
40 min	55.4	120.1	104.2	49.1/48.2
60 min	54.1	145.3	137.1	48.3/47.3