Supporting Information for

PEGylated $Gd(OH)_3$ nanorods as metabolizable contrast agents for computed tomography imaging

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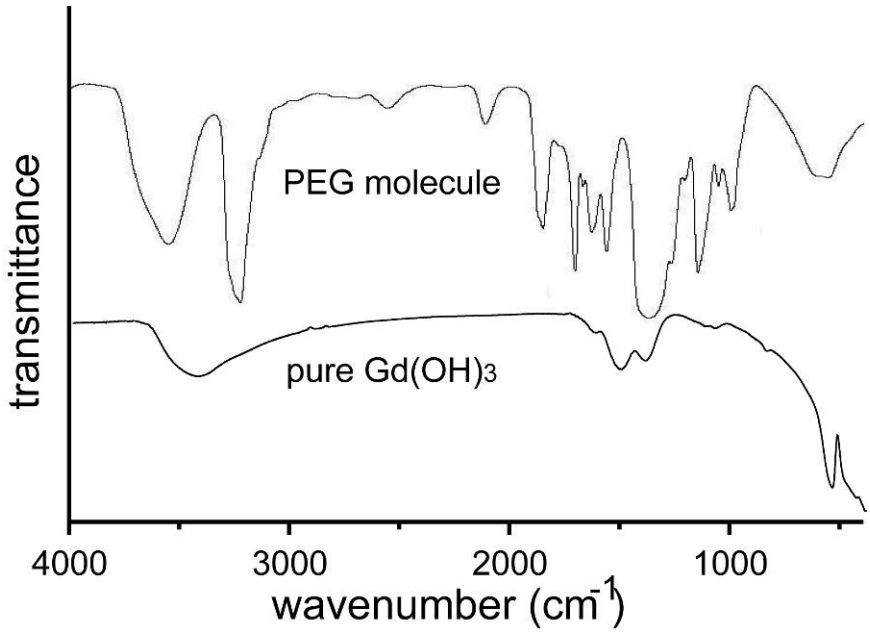

Fig. S1. FT-IR spectrum of PEG molecule and PEG-$Gd(OH)_3$.

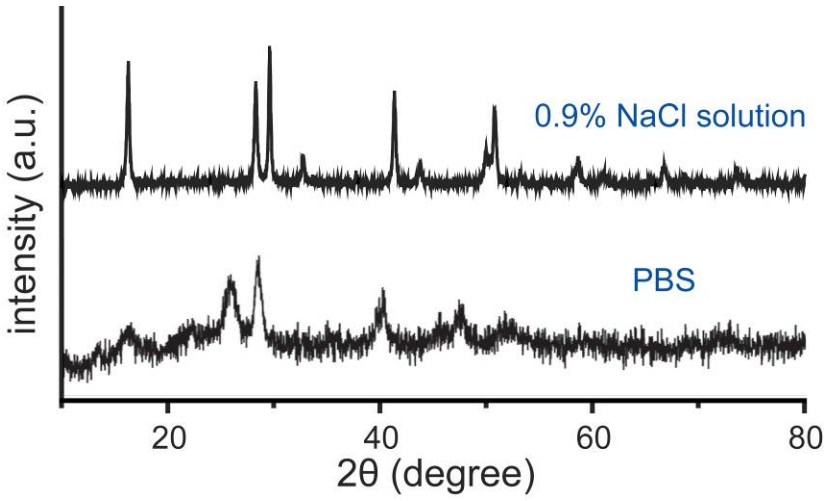

Fig. S2. Wide-angle XRD patterns of PEG-Gd$(OH)_3$ treated with 0.9% NaCl solution and PBS for one week.

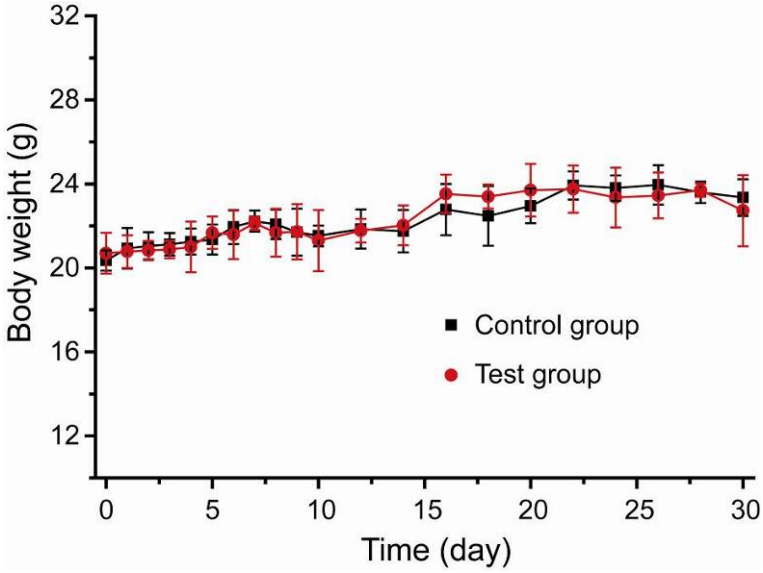

Fig. S3. Body-weight change of mice after intravenous injection of PEG-$Gd(OH)_3$ (test group) and 0.9% NaCl solution (control group).

Table S1. Value of hemolysis percentage upon the treatment of PEG-$Gd(OH)_3$.

Concentrations (mg mL^{-1})	Value of hemolysis (%)
0.9 % NaCl solution	0
D. I. water	100
0.0625	-0.521
0.125	0.234
0.25	0.534
0.5	0.954
1	1.057

]**Table S2.** CT values of the heart, liver, spleen, and kidneys of a rat before and after intravenous administration of PEG-$Gd(OH)_3$ at different timed intervals.

Time	Heart	Liver	Spleen	Kidneys
Pre-injection	53.3	55.7	52.3	46.3/46.9
20 min	52.7	102.4	89.6	46.4/47.1
40 min	53.2	153.6	124.3	46.1/47.2
60 min	52.4	178.4	156.3	47.3/46.4