

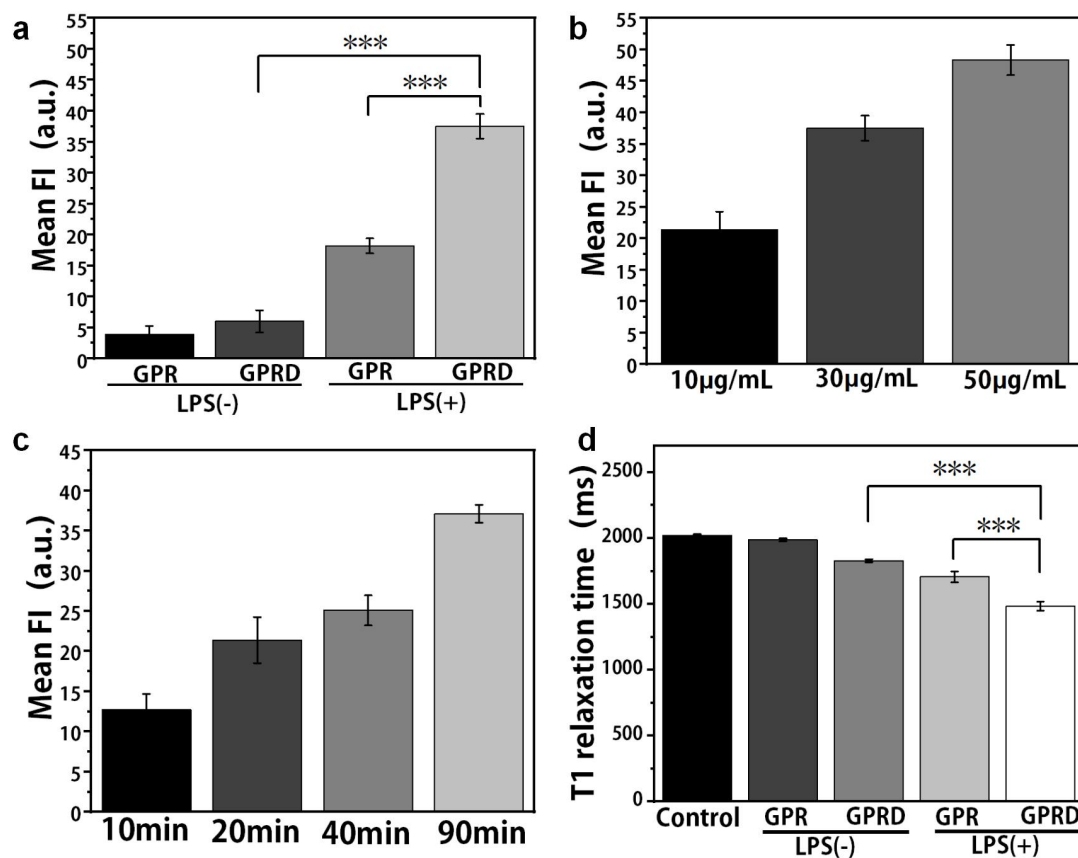


Figure. S1 (a) The quantitative analysis of fluorescence intensity in activated RAW 264.7 cells and untreated RAW264.7 cell incubation with GPR NPs or GPRD NPs for 20 min. The quantitative analysis of fluorescence intensity in activated RAW 264.7 cells treated with different GPRD NPs concentrations (b) and different times (c). (d) The quantitative analysis of MRI signal intensity in LPS activated RAW 264.7 cells and unactivated RAW 264.7 cells incubated with GPR NPs or GPRD NPs. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$

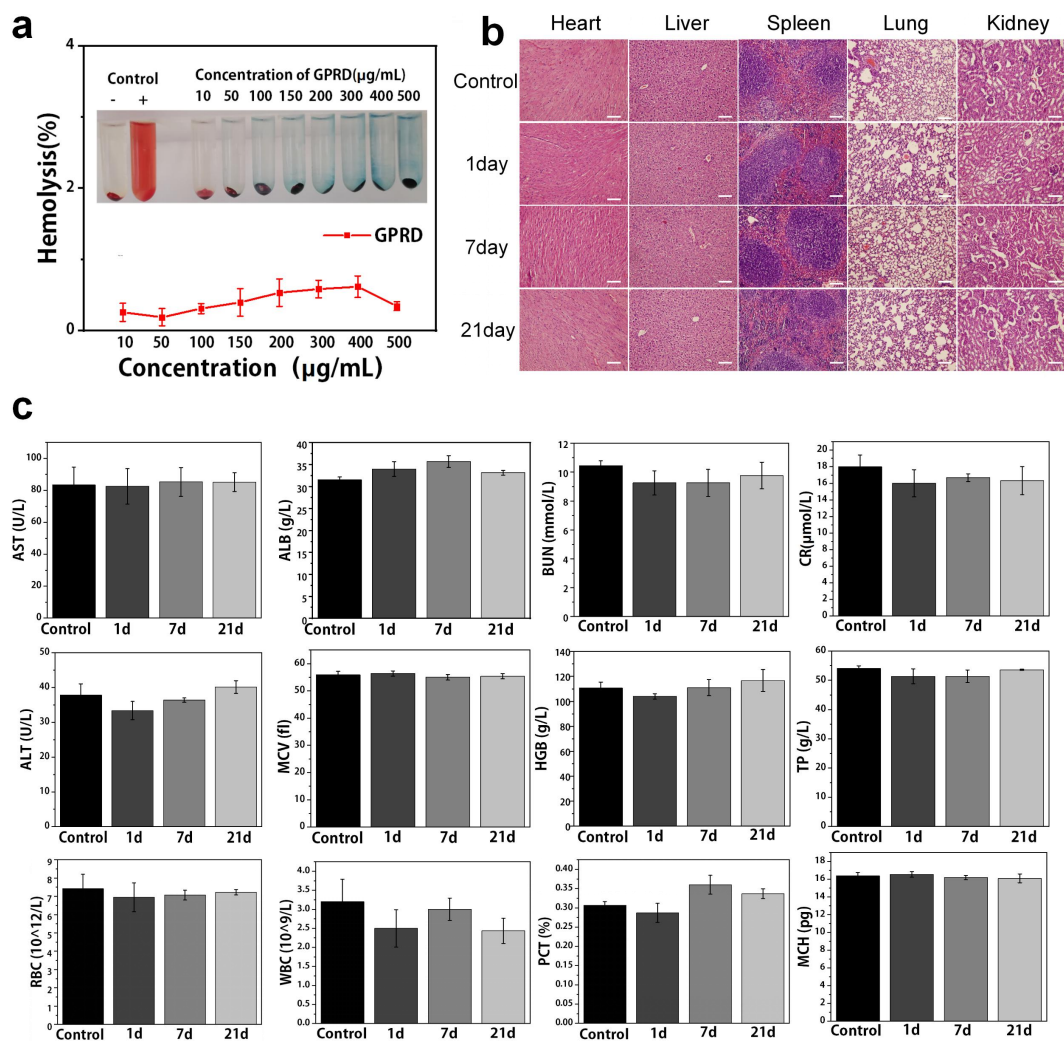


Figure. S2 (a) Hemolysis images showing no obvious hemolysis at different concentrations of GPRD NPs. (b) H&E staining of heart, liver, spleen, lung, and kidney of mice after treatment with GPRD NPs for 1, 7, 21 day. (c) Mouse serum biochemistry analysis and routine blood analysis before (control) and after injection of GPRD NPs for 1, 7, 21 day.

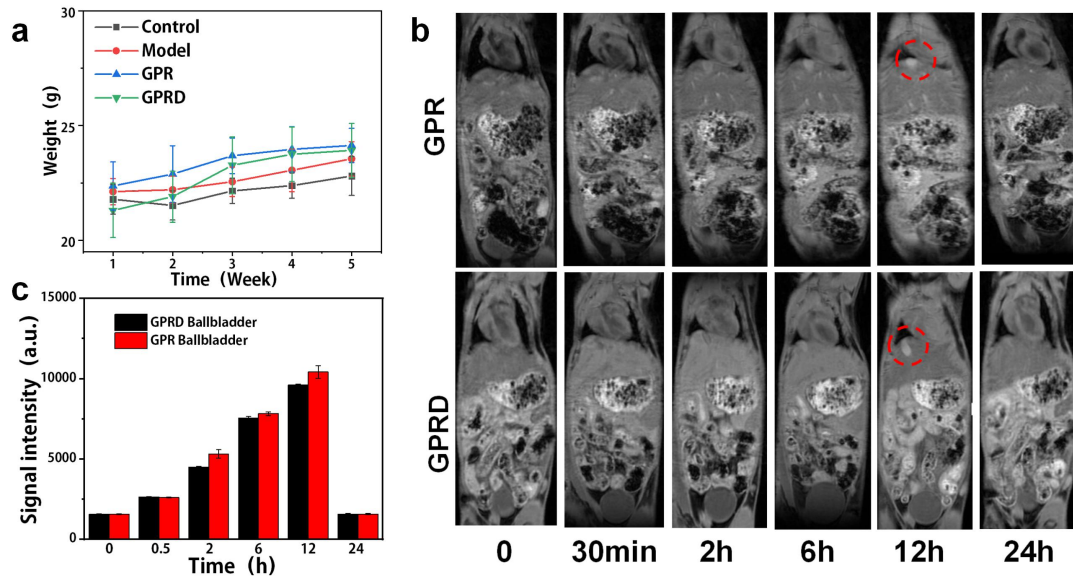


Figure. S3 (a) Variation of mouse body weight over time in each group after various treatments. (b) MR imaging of mice gallbladder pre-injection and post-injection of GPR or GPRD NPs at different time points. (c) T₁ signal intensity values of gallbladder at different time points.

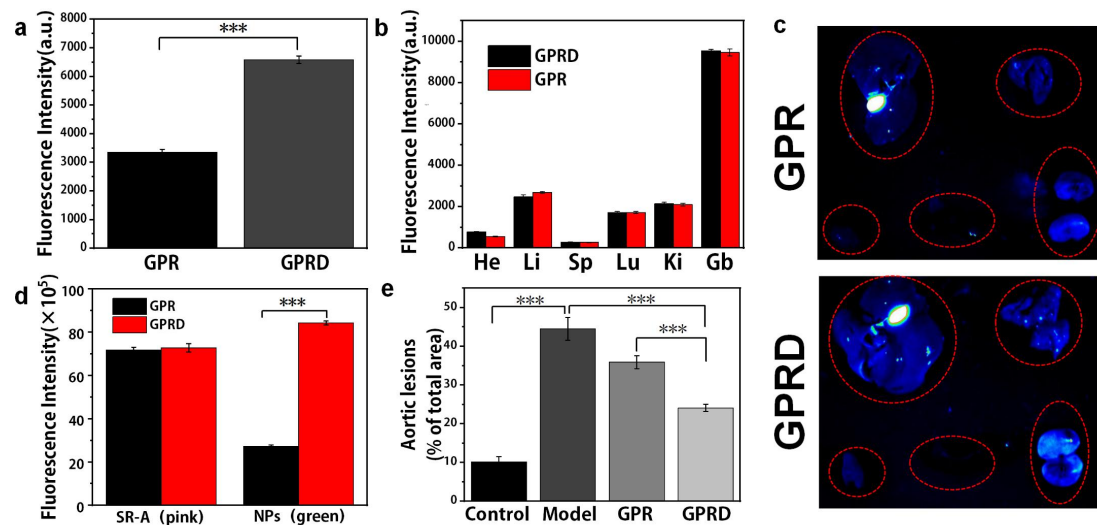


Figure. S4 (a) Fluorescence intensity value of atherosclerotic model mice aorta plaque after injection of GPR or GPRD NPs at 2h. (b) Fluorescence imaging of major organs of atherosclerotic model mice after injection of GPR or GPRD NPs for 2 hours. (c) Fluorescence intensity values of major organs after injection of GPR or GPRD NPs for 2 hours. (d) Fluorescence intensity value of colocalization between GPR or GPRD NPs and SR-A in vulnerable plaque after injection 2h. (e) The quantitative analysis of ORO stained area of aorta tissues from atherosclerotic mice after treatment with various formulations. * $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$