

Supplementary information

Figures

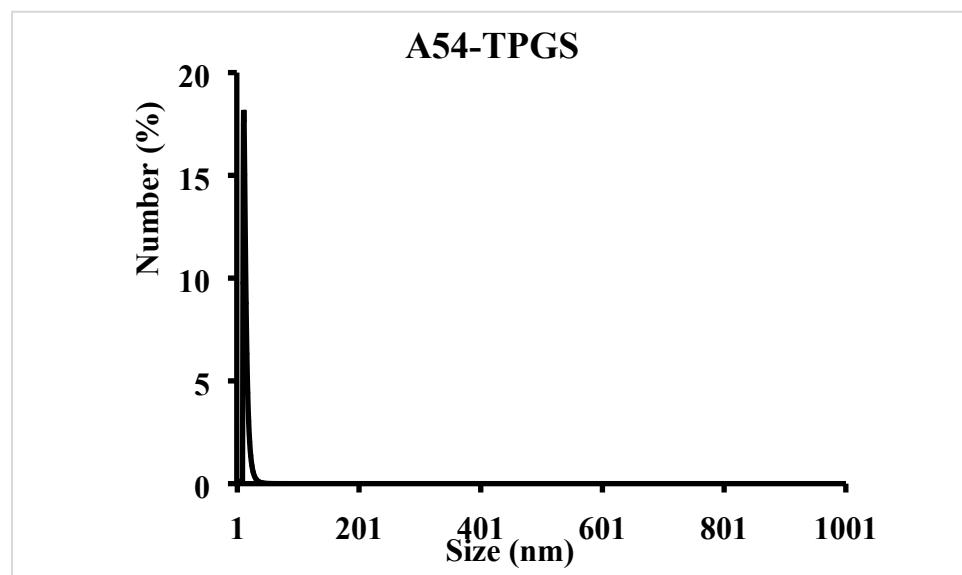


Figure S1. Size distribution of A54-TPGS determined by dynamic light scattering.

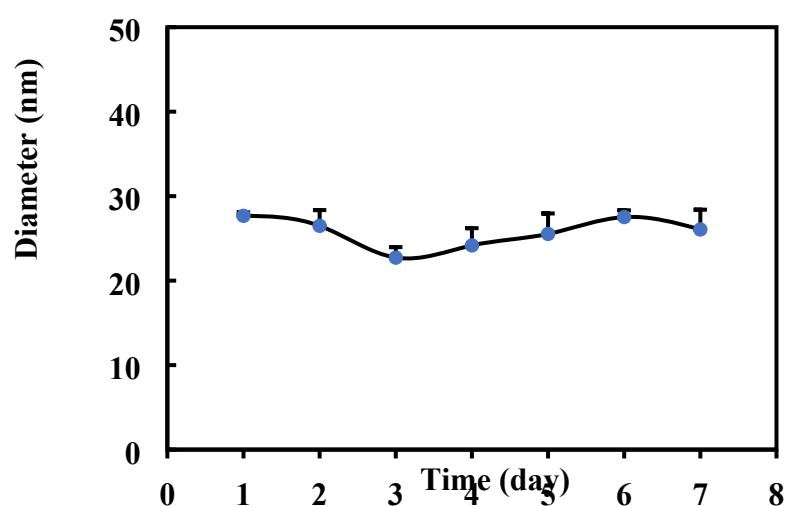


Figure S2: The time-dependent diameter of A54-CaPNPs at pH 7.4 stored at 4°C.

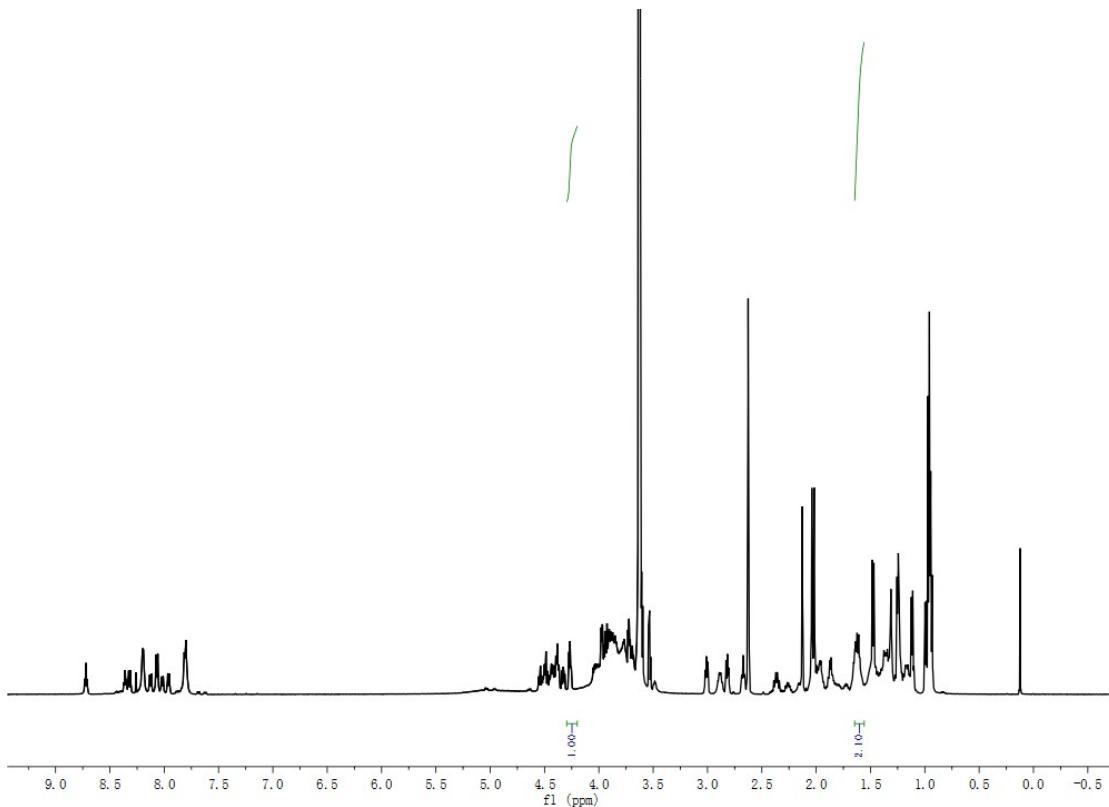


Figure S3: The ¹H-NMR spectrum of A54-TPGS.

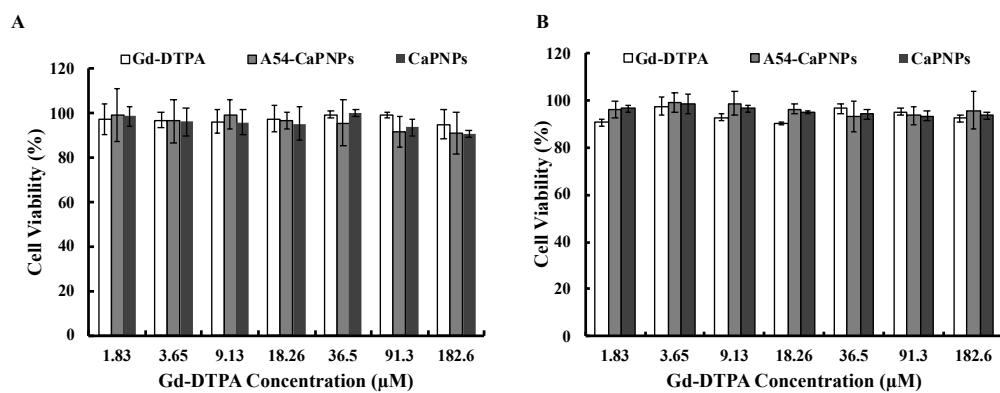


Figure S4. The cell viability of (A) BEL-7402 cells and (B) LO2 treated with A54-CaPNPs, CaPNPs and free Gd-DTPA.

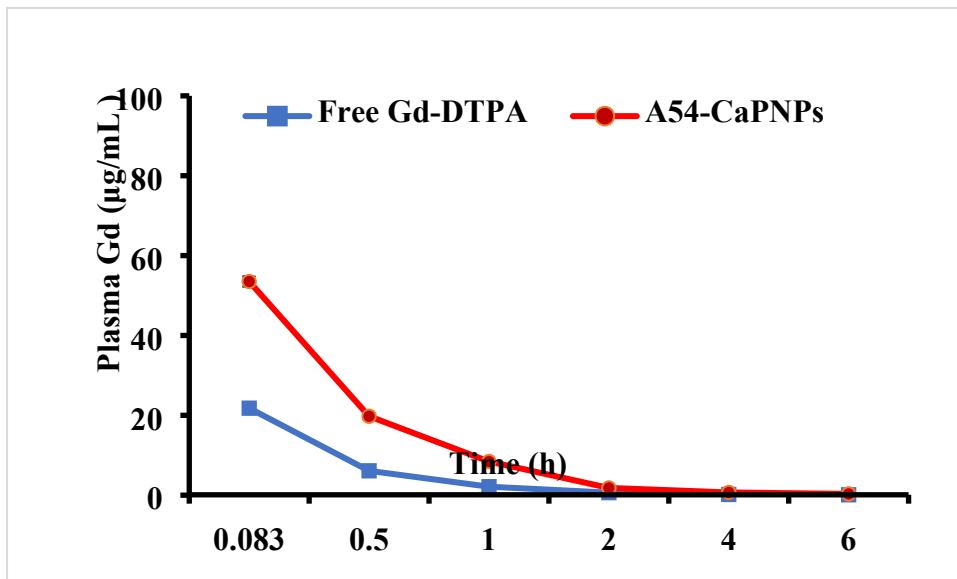


Figure S5: The plasma concentration of Gd in rats following intravenous injection of free Gd-DTPA and A54-CaPNPs at a dose of 0.05mmol /kg Gd-DTPA. Data are plotted as mean \pm SD; n = 3 in each group.