Supporting Information

Title: Melanin-Manganese Nanoparticles with Ultrahigh Efficient Clearance in Vivo for Tumor-Targeting T<sub>1</sub> Magnetic Resonance Imaging Contrast Agent

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Figure S1 FT-IR spectra of MNP, MNP-PEG and NH<sub>2</sub>-PEG<sub>5000</sub>-NH<sub>2</sub>.

**Figure S1** FT-IR spectra of MNP, MNP-PEG and NH<sub>2</sub>-PEG<sub>5000</sub>-NH<sub>2</sub>. 

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Figure S2 TEM image (a) and hydrodynamic size distribution graph (b) of MNP-PEG.
Figure S3 Hydrodynamic size distribution of the MNP-PEG-Mn in Intensity and Volume modes.
Figure S4 Hydrodynamic size distribution of the MNP-PEG-Mn during different incubation periods with serum.
Figure S5 Cell viabilities of the NIH 3T3 cells after 24 h incubation with MNP-PEG-Mn at various concentrations by MTT assay.