

Figure S3: **(a)** Showing intracellular distribution of Au-PEG. Electron micrographs (TEM) of mice brain section, arrows indicate gold nanoparticle distribution throughout the cellular compartments (Scale bar $1\ \mu\text{m}$). **(b)** The concentration of gold uptake in the whole brain homogenate of control and Au-PEG treated mice was measured using inductively coupled plasma mass spectrometry (ICP-MS). Error bars represent $\text{mean} \pm \text{SEM}$. Statistical analysis was performed using a student's t-test, with **** indicating $p < 0.0001$.

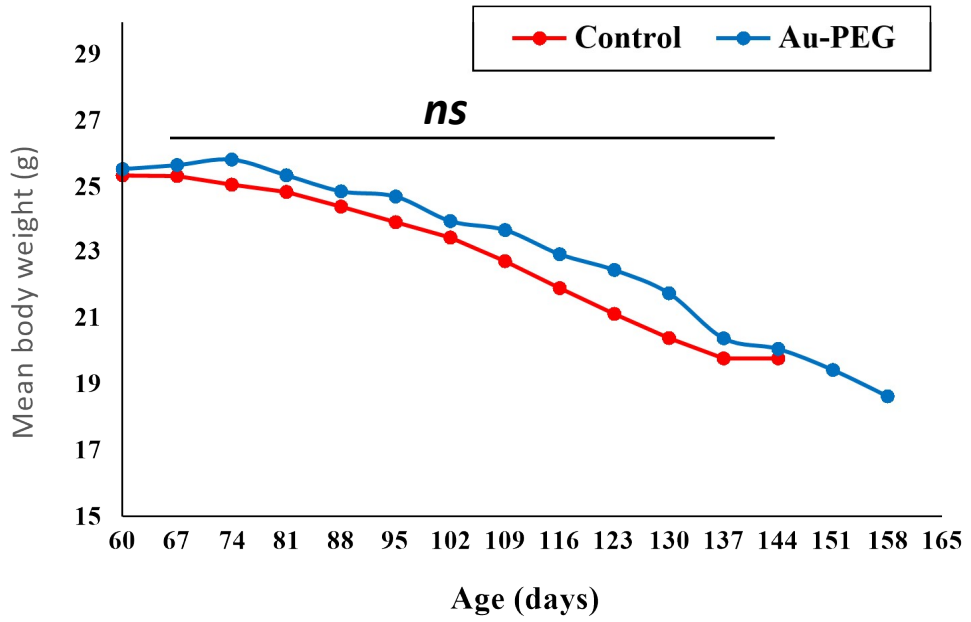


Figure S6 : (a)