

Supplementary Materials

for

Designing Multifunctionalized Selenium Nanoparticles to Reverse Oxidative Stress-Induced Spinal Cord Injury by Attenuating ROS Overproduction and Mitochondria Dysfunction.

Siyuan Rao^{a†}, Yongpeng Lin^{b†}, Yanxin Du^{b†}, Lizhen He^c, Guanning Huang^c, Bolai Chen^{b*},
Tianfeng Chen^{c*}

Results:

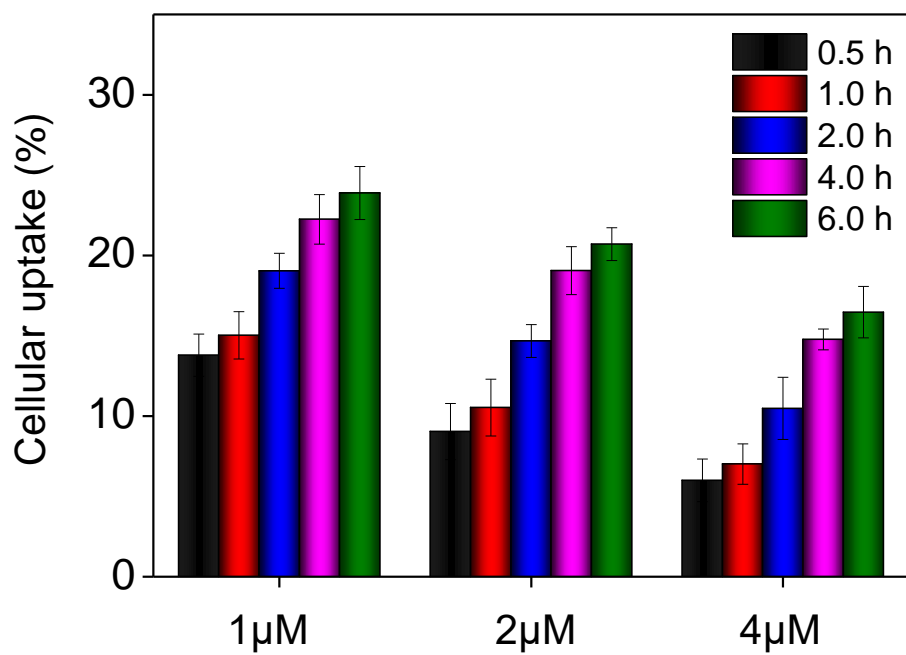


Figure S1. Time- and dose-dependent cellular uptake efficiency of coumarin-6-loaded SeNPs by PC12 cells after 0.5, 1.0, 2.0, 4.0 and 6.0 h of incubation, respectively. Values expressed are means \pm SD of triplicate.

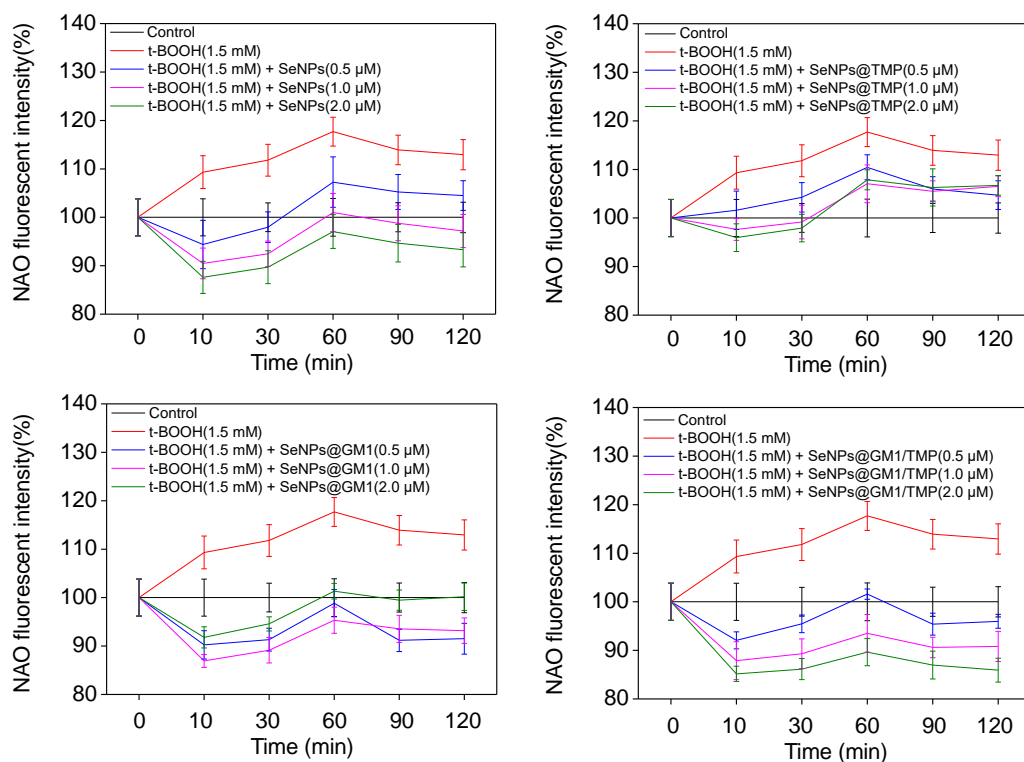


Figure S2. The intensity of NAO determined at 495/519 nm by using a microplate reader (Spectra Max M5).

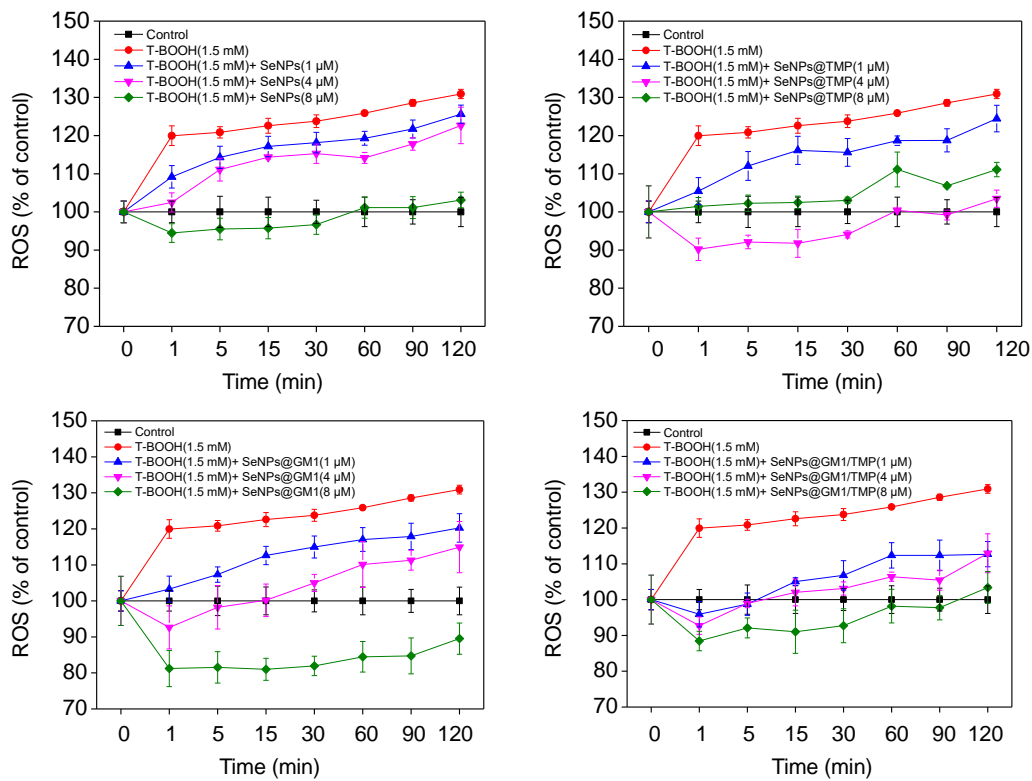


Figure S3. Changes in intracellular ROS generation in PC12 cells pre-incubated with different concentrations of SeNPs, SeNPs@TMP, SeNPs@GM1 and SeNPs@GM1/TMP respectively for 2 h and then exposed to 1.5 mM t-BOOH after cells stained with DHE for 30 min.