# Supplementary Data
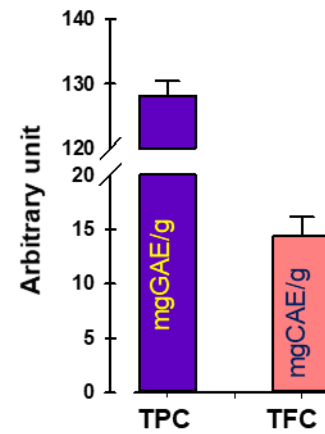


Figure S1: Total phenolic and flavonoid content of NNSE
TPC: Total phenolic content (mgGAE/g extract)
TFC: Total flavonoid content (mgCAE/g extract)
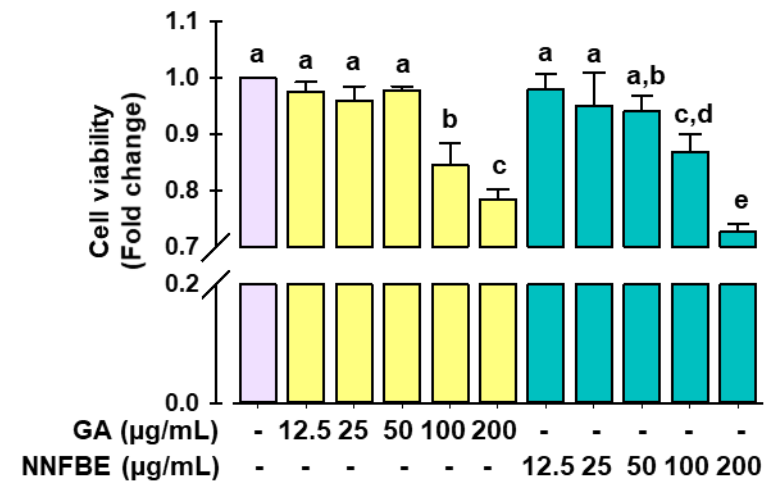
# Supplementary Data



Figure S2: Effect of NNSE on cell viability in RAW264.7 cells. Values are expressed as the mean ± SD (n = 3) and different letters are considered as statistically significant (p < 0.05) to each other. GA: gallic acid;
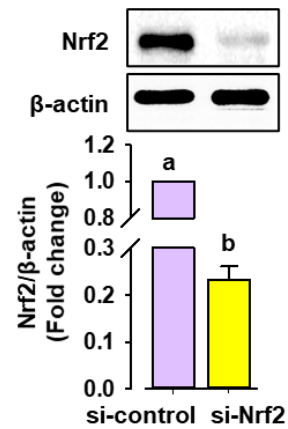
# Supplementary Data



Figure S3: Nrf2 expression using si-RNA in RAW264.7 cells. Values are expressed as the mean ± SD (n = 3) and different letters are considered as statistically significant (p < 0.05) to each other.

**Table S1: List of the primary antibodies used in the study.**

| Name | Catalog no. | Company | Antigen | Host | Dilutions | Membrane |
|---|---|---|---|---|---|---|
| Anti-SOD1 | BS91268 | Bioworld Technology, Inc. | SOD1 | Rabbit | 1:1000 | Nitrocellulose membrane |
| Anti-catalase | BS90194 | Bioworld Technology, Inc. | Catalase | Rabbit | 1:1000 | Nitrocellulose membrane |
| anti-GPx-1 | MB9027 | Bioworld Technology, Inc. | GPx-1 | Mouse | 1:1000 | Nitrocellulose membrane |
| Anti-HO-1 | sc-136256 | Santa Cruz Biotechnology, Inc. | HO-1 | Mouse | 1:1000 | Nitrocellulose membrane |
| Anti Nrf2 | sc-81342 | Santa Cruz Biotechnology, Inc. | Nrf2 | Mouse | 1:1000 | Nitrocellulose membrane |
| Anti-Lamin B | BS3547 | Bioworld Technology, Inc. | Lamin B | Rabbit | 1:1000 | Nitrocellulose membrane |
| Anti-p-p38 | sc-166182 | Santa Cruz Biotechnology, Inc. | p38 | Mouse | 1:1000 | Nitrocellulose membrane |
| Anti-p38 | BS3567 | Bioworld Technology, Inc. | p38 | Rabbit | 1:1000 | Nitrocellulose membrane |
| Anti-p-ERK1/2 | sc-7383 | Santa Cruz Biotechnology, Inc. | ERK | Mouse | 1:1000 | Nitrocellulose membrane |
| Anti-ERK1/2 | BS 6472 | Bioworld Technology, Inc. | ERK | Rabbit | 1:1000 | Nitrocellulose membrane |
| Anti-p-JNK | BS 4322 | Bioworld Technology, Inc. | JNK | Rabbit | 1:1000 | Nitrocellulose membrane |
| Anti-JNK | sc-7345 | Santa Cruz Biotechnology, Inc. | JNK | Mouse | 1:1000 | Nitrocellulose membrane |
| Anti- βactin | Sc-47778 | Santa Cruz Biotechnology, Inc. | β-actin | Mouse | 1:1000 | Nitrocellulose membrane |