Table S1. Primer sequences used for real-time quantitative RT-PCR

Target cDNA	Forward sequence (5'-3')	Reverse sequence (5'-3')
β-actin	GGCTGTATTCCCCTCCATCG	CCAGTTGGTAACAATGCCATGT
Ho1	AAGCCGAGAATGCTGAGTTCA	GCCGTGTAGATATGGTACAAGGA
Nqo1	AGGATGGGAGGTACTCGAATC	AGGCGTCCTTCCTTATATGCTA
Gclc	GGGGTGACGAGGTGGAGTA	GTTGGGGTTTGTCCTCTCCC
Gclm	AGGAGCTTCGGGACTGTATCC	GGGACATGGTGCATTCCAAAA
Srx	ATCGTGGTGCTGGATTGATTC	CACCCCAGAGATAAGATTACCCA
Gsr	GACACCTCTTCCTTCGACTACC	CCCAGCTTGTGACTCTCCAC
Nfatc1	GACCCGGAGTTCGACTTCG	TGACACTAGGGGACACATAACTG
c-Fos	CGGGTTTCAACGCCGACTA	TTGGCACTAGAGACGGACAGA
Tnfα	CCCTCACACTCAGATCATCTTCT	GCTACGACGTGGGCTACAG
Trap	AGCAGCCAAGGAGGACTACGTT	TCGTTGATGTCGCACAGAGG
Mmp9	AATCTCTTCTAGAGACTGGGAAGGAG	AGCTGATTGACTAAAGTAGCTGGA
Ctsk	AGGGAAGCAAGCACTGGATA	GCTGGCTGGAATCACATCTT

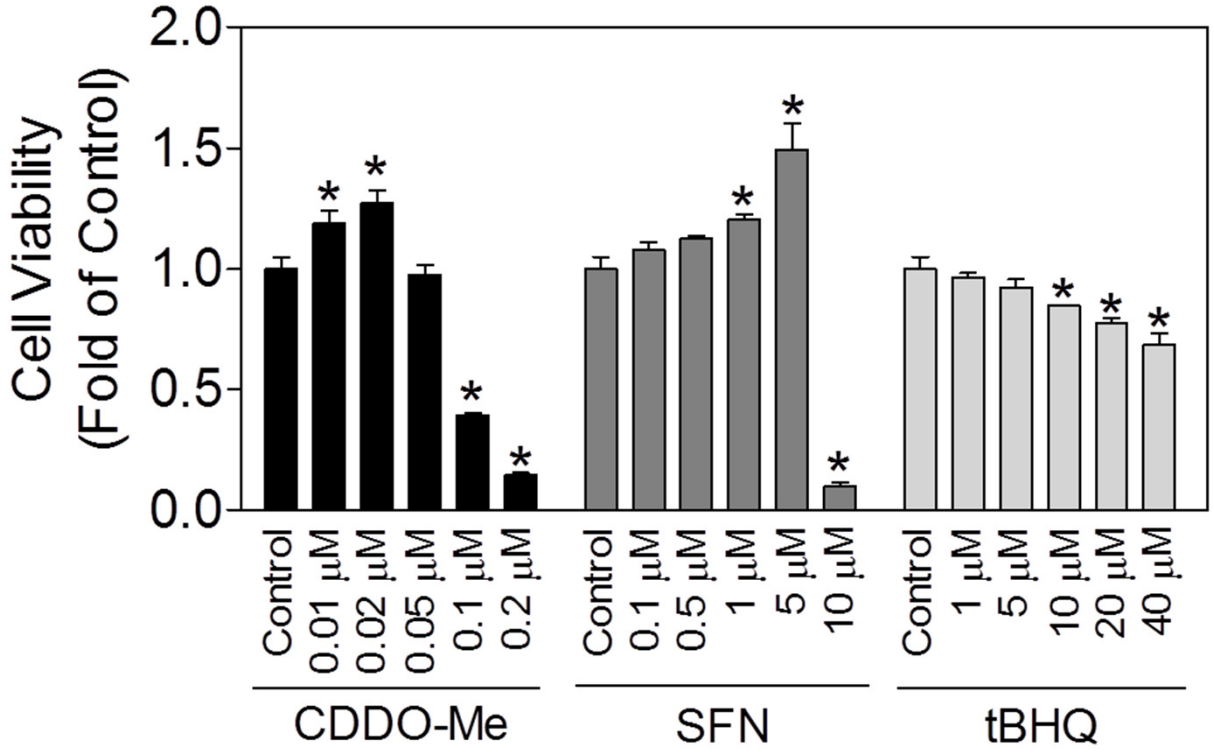

Fig. S1. Evaluation of cell viability. RAW cells were grown as described in Methods and were exposed to various concentrations of CDDO-Me, SFN, and tBHQ in DMEM with 10% FBS for 5 days, followed immediately by cell viability measurements. Control (normal culture medium); n = 3-6; *p < 0.05 vs. Cont.

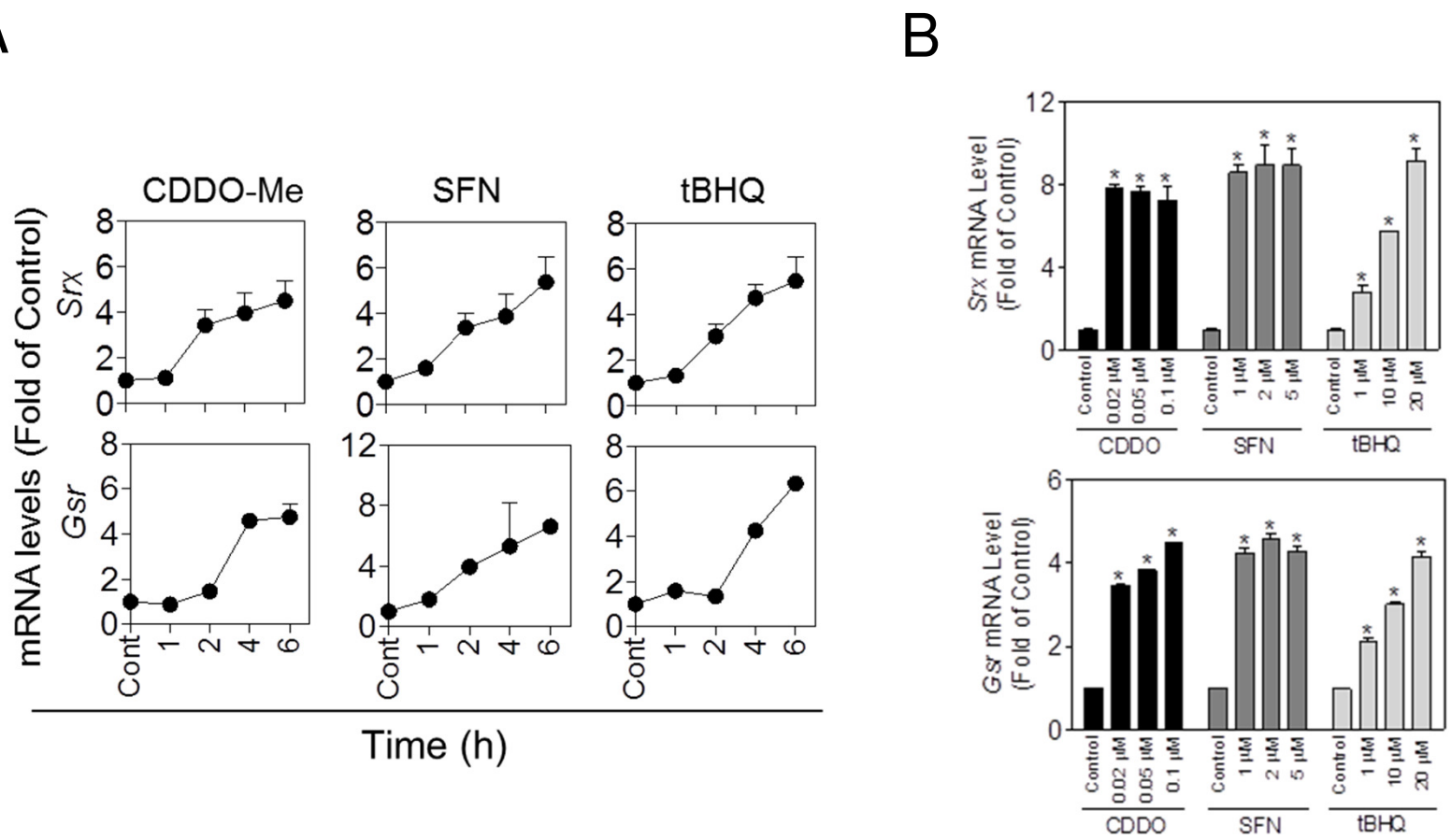

Fig. S2. CDDO-Me, SFN, and tBHQ stimulate the expression of SRX and GSR in time- and concentration-dependent manners. (A) In the time-response study, the RAW cells were treated with single concentrations of CDDO (0.01 μM), SFN (5 μM), and tBHQ (10 μM) for the indicated time points (1, 2, 4 and 6 h). Then the mRNA were extracted, and the gene expressions of GSR and SRX were measured by RT-qPCR. (B) In the concentration-response study, the RAW cells were treated with various of concentrations of CDDO-Me, SFN, and tBHQ for 6 h. Then the mRNA were extracted, and the gene expressions of GSR and SRX were measured by RT-qPCR. All results were normalized to β-Actin. Cont, Control (normal culture medium); n = 3. *$p < 0.05$ vs. Cont.

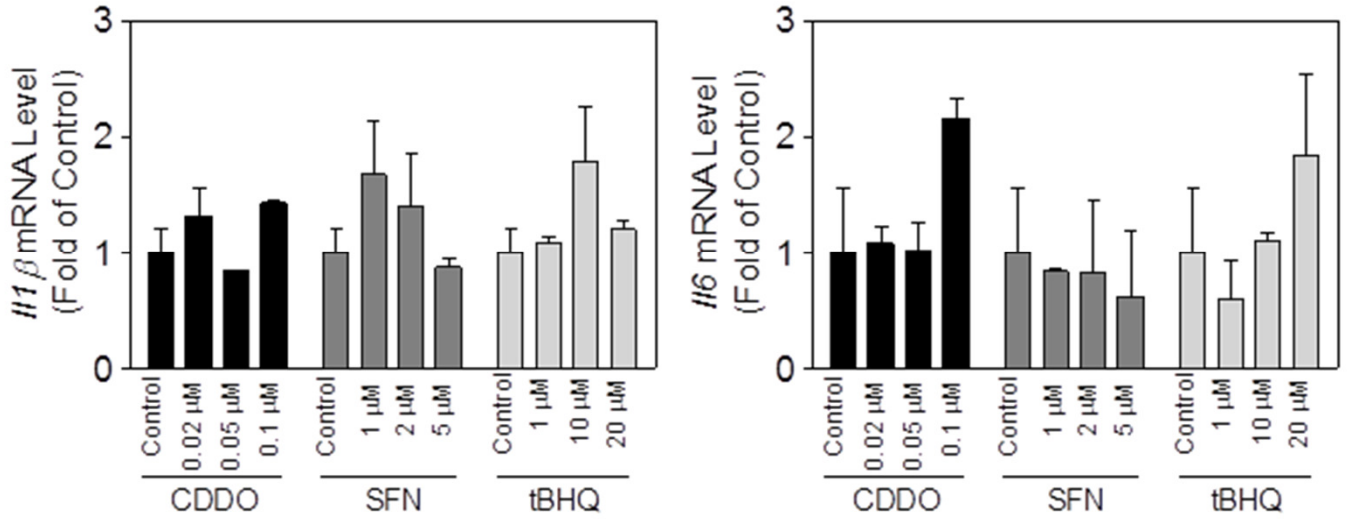

Fig. S3. The gene expression of IL1β, IL6, TXN, and TXNRD1 in CDDO-Me, SFN, and tBHQ treated cells. The RAW cells were treated with various concentrations of CDDO-Me, SFN, and tBHQ for 6 h. The mRNA were extracted, and the inflammatory gene expressions of IL1β and IL6 were measured by RT-qPCR. All results were normalized to β-Actin. Vehicle (normal culture medium); n = 3. *$p < 0.05$ vs. Vehicle.