



Supplementary Figure S1. MMP of different treatment of TCA and B after 3 h and 24 h exposure. BV2 cells stained with JC-1 were observed. JC-1 polymer and monomer fluorescence ratio was shown below (Ex/Em = 490/530 nm for JC-1 monomer and Ex/Em = 525/590 nm for JC-1 polymer). * $P < 0.05$, ** $P < 0.01$, and *** $P < 0.001$ compared with the control groups respectively.

Supplementary Table S1. Concentrations of IL-2, IL-6, and TNF- α after 3 h and 24 h exposure to TCA and B

Time	Cytokins	Control (pg/mL)	TCA (1.56 mmol/L) (pg/mL)	TCA (3.12 mmol/L) (pg/mL)	TCA (6.25 mmol/L) (pg/mL)	B (31.25 mmol/L) (pg/mL)	B (62.5 mmol/L) (pg/mL)	B (125 mmol/L) (pg/mL)
3 h	IL-2	108.42 \pm 9.72	118.29 \pm 13.75	125.22 \pm 13.34	112.92 \pm 14.44	129.51 \pm 14.34	125.74 \pm 16.22	126.23 \pm 12.82
	IL-6	42.79 \pm 2.30	36.32 \pm 0.72	37.52 \pm 2.90	41.08 \pm 1.81	39.60 \pm 2.34	35.96 \pm 5.35	38.23 \pm 1.56
	TNF- α	881.50 \pm 10.48	900.28 \pm 12.49	839.92 \pm 51.49	918.66 \pm 60.00	905.37 \pm 9.12	870.55 \pm 47.94	883.13 \pm 56.81
24 h	IL-2	124.82 \pm 10.21	131.25 \pm 19.32	118.77 \pm 10.02	119.78 \pm 19.33	130.31 \pm 13.06	132.08 \pm 10.69	119.99 \pm 14.61
	IL-6	50.93 \pm 3.30	46.12 \pm 0.70	47.39 \pm 1.10	46.50 \pm 0.43	43.78 \pm 0.39*	47.00 \pm 0.44*	43.93 \pm 2.62*
	TNF- α	1019.55 \pm 37.18	969.34 \pm 60.17	928.16 \pm 45.06	968.37 \pm 21.81	979.35 \pm 30.20	946.50 \pm 67.37	829.25 \pm 4.25

Note. * $P < 0.05$ and ** $P < 0.01$ compared with control or TCA groups respectively.

Supplementary Table S2. Concentrations of NF- κ B, TNF- β and IL-6 and TNF- α after 24 h exposure to TCA and B or combined exposure

24 h	Control (pg/mL)	TCA (0.78 mmol/L) (pg/mL)	TCA (1.56 mmol/L) (pg/mL)	TCA (3.12 mmol/L) (pg/mL)	B (0.50 mmol/L) (pg/mL)	TCA (0.78 mmol/L) + B (0.50 mmol/L) (pg/mL)	TCA (1.56 mmol/L) + B (0.50 mmol/L) (pg/mL)	TCA (3.12 mmol/L) + (0.50 mmol/L) (pg/mL)
NF- κ B	0.64 \pm 0.04	0.59 \pm 0.1	0.58 \pm 0.03	0.60 \pm 0.02	0.58 \pm 0.04	0.58 \pm 0.04	0.59 \pm 0.02	0.58 \pm 0.03
TNF- β	76.34 \pm 8.46	70.63 \pm 6.11	72.80 \pm 4.66	73.34 \pm 8.46	73.86 \pm 1.38	76.73 \pm 6.88	80.79 \pm 6.22	84.44 \pm 1.76*
IL-6	51.89 \pm 1.93	48.64 \pm 1.29	51.56 \pm 3.21	48.01 \pm 1.83	43.94 \pm 1.11*	48.87 \pm 7.97	48.49 \pm 1.93	45.29 \pm 2.37

Note. * $P < 0.05$ represents TCA (1.56 mmol/L) compared with TCA (1.56 mmol/L) + B (0.50 mmol/L) groups respectively.