

Supplemental Table 1 Primer sequences in RT-PCR

Gene	Upstream primer (5'-3')	Downstream primer (5'-3')	Fragment length bp	Annealing temperature °C
p-p38 MAPK	AGGCTCAACATCTAGGCT	TAGTTTATGGGCGCCCTATAC	234	58
p-JNK1/2	TGATGGGCCCATCATAAAT	ATAGTACGACCCTAGCTGAT	211	58
Cyt C	GCTAGTTGGGGAATTTCGCGT	GTCATGGTAGTAGATGAGGCC	255	58
Caspase-3	TTAAACCCCTCCTAGTCTAA	GATATTAATAGGGCCTAAA	234	58
β-actin	GTTATTGCCGCGTCTCTATC	AATTTTGGGCGCCCAATATAA	217	58

Supplemental Table 2 Mitochondrial targeting agents reduce macrophage recruitment

Group	F4/80 positive area (%)
Control	0.27±0.12
Atherosclerosis group	8.33±0.45
Mitochondrial targeting agent group	3.24±0.18
<i>F</i> value	13.264
<i>P</i> value	0.016

Supplemental Table 3 Mitochondrial targeting agents reduce the expression of proinflammatory cytokines

Group	TNF-α	IL-6	NLRP3	ICAM1
Control	1.33±0.14	0.85±0.21	1.33±0.14	0.75±0.28
Atherosclerosis group	4.87±0.25	6.48±0.16	5.34±0.25	4.78±0.36
Mitochondrial targeting agent group	2.34±0.32	2.56±0.23	2.73±0.18	1.85±0.21
<i>F</i> value	13.547	12.354	13.241	13.294
<i>P</i> value	0.014	0.001	0.013	0.007

Supplemental Table 4 Mitochondrial targeting agents inhibit the expression of phosphor-p38 MAPK and JNK1/2

Group	p-p38 MAPK	p-JNK1/2
Control	1.83±0.24	1.15±0.14
Atherosclerosis group	8.83±0.18	6.33±0.25
Mitochondrial targeting agent group	3.55±0.21	3.17±0.24
<i>F</i> value	12.324	14.523
<i>P</i> value	0.013	0.016

Supplemental Table 5 Mitochondrial targeting agents inhibit MAPK/JNK mRNA expression

Group	p-p38 MAPK	p-JNK1/2
Control	1.55±0.13	0.78±0.12
Atherosclerosis group	6.47±0.16	4.55±0.16
Mitochondrial targeting agent group	3.24±0.18	1.85±0.13
<i>F</i> value	13.254	16.864
<i>P</i> value	0.014	0.013

Supplemental Table 6 Cyt C and caspase-3 expression

Group	Cyt C	Caspase-3
Control	1.04±0.13	0.15±0.11
Atherosclerosis group	3.57±0.26	1.34±0.17
Mitochondrial targeting agent group	1.47±0.18	0.52±0.14
<i>F</i> value	12.327	14.327
<i>P</i> value	0.013	0.008