



Figure S1. GNL mitigated Ox-LDL-induced cytokine production in endothelial cells. HUVECs cells were treated with the GNL and/or Ox-LDL for 24 h. Level of TNF- α , IL-6 and IL-1 β , was assessed by ELISA. There are three replicates of each value, and * $p < 0.05$ represents a significant difference when compared to a control group. The # $p < 0.05$ represents significant differences between Ox-LDL alone and GNL with Ox-LDL treatment groups.

SUPPLEMENTARY TABLES

Table S1. Antibody details of the proteins used in immunoblot analysis

Antibody	Molecular weight (kDa)	Company catalogue	Dilution
TNF-α	17	(#PA5-19810) Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
IL-6	21	#P620 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
IL-1β	17	(#PBOIL1BI) Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
ICAM-1	72	(#MA5407) Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
VCAM-1	98	# PA5-87406 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:3000
HO-1	32	(#PA5-77833) Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
NQO-1	31	(#PA5-82294 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:1000
γ-GCLC	73	(#PA5-44190), Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
p-P65	65	(#MA5-15160), Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:2000
p-IKBA	36	(#PA5-36653) Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:2000
FABP4	15	PA5-30591 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:2000
TGF-β-1	13	# MA5-23795 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:1000
pPI3K	85	PA5-104853 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:2000
PI3K	85	#PA5-29220 Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:2000
pAKT	60	Cat #44-602G Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:5000
AKt	60	Cat #44-609G Thermo Fisher Scientific, Inc. (Waltham, MA, USA)	1:2000

Nrf2	62	(AB-M-018) MOLEQULE-ON (New Lynn, Auckland, New Zealand)	1:5000
secondary antibodies goat anti-rabbit	-	(AB-M-010) MOLEQULE-ON (New Lynn, Auckland, New Zealand)	1:10,000
secondary goat anti-mouse	-	(AB-M-009) MOLEQULE-ON (New Lynn, Auckland, New Zealand)	1:10,000
β-actin	43	(AB-M-003) MOLEQULE-ON (New Lynn, Auckland, New Zealand)	1:10,000

Table S2. Primer sequences

Gene	Sequences
IL-6	Forward: GGTACATCCTCGACGGCATCT Reverse: GTGCCTCTTTGCTGCTTTCAC
VCAM-1	Forward: CAAATCCTTGATACTGCTCATC Reverse: TTGACTTCTTGCTCACAGC
ICAM-1	Forward: TATGGCAACGACTCCTTCT Reverse: CATTGAGCGTCACCT TGG
β -Actin	Forward: CTGGCACCACACCTTCTACAATGAGC Reverse: GAGGATCTTCATGAGGTAGTCAGTC