

Supplementary material

Pogostone attenuates adipose tissue inflammation by regulating the adipocytes-macrophages crosstalk via activating SIRT1

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Table S1. List of oligonucleotide primer pairs used in qRT-PCR.

Gene	Forward	Reverse
<i>18S</i>	AGCCTGCGGCTTAATTTGAC	CAACTAAGAACGGCCATGCA
<i>Ccl5</i>	TGCAGAGGACTCTGAGACAGC	GAGTGGTGTCCGAGCCATA
<i>Ccl11</i>	AGAGCTCCACAGCGCTTCT	GCAGGAAGTTGGGATGGA
<i>Cd11c</i>	CTGGATAGCCTTTCTTCTGCTG	GCACACTGTGTCCGAACTC
<i>Cd206</i>	CAGGTGTGGGCTCAGGTAGT	TGTGGTGAGCTGAAAGGTGA
<i>Cd68</i>	CCTTATGGACAGCTTACCTTTGG	CTGAGCAGCCTGTAGCCTTAGAG
<i>Cox-2</i>	CCACCTCTGCGATGCTCTTC	CATCCCCACGGTTTTGACATG
<i>Cx3cl1</i>	CATCCGCTATCAGCTAAACCA	CAGAAGCGTCTGTGCTGTGT
<i>Cxcl10</i>	GCTGCCGTCATTTTCTGC	TCTCACTGGCCCGTCATC
<i>Il-1β</i>	TGTTCTTTGAAGTTGACGGACCC	TCATCTCGGAGCCTGTAGTGC
<i>Il-6</i>	CCAGAGATACAAAGAAATGATGG	ACTCCAGAAGACCAGAGGAAAT
<i>IL-10</i>	CACAAAGCAGCCTTGCAGAA	AGAGCAGGCAGCATAGCAGTG
<i>iNos</i>	CCAAGCCCTCACCTACTTCC	CTCTGAGGGCTGACACAAGG
<i>Mcp-1</i>	CAACTCTCACTGAAGCCAGCTC	TAGCTCTCCAGCCTACTCATTGG
<i>Mip-1α</i>	CTTCTCTGTACCATGACACTCTGC	ATTCAGTTCCAGGTCAGTGATGTAT
<i>Tnf-α</i>	GAGAAAGTCAACCTCCTCTCTG	GAAGACTCCTCCCAGGTATATG

Table S2. Antibodies used for Western blot and flow cytometry.

Antibody	Source	Vendor	Catalog No.
anti-phospho-JNK (Thr183/Tyr185)	Mouse	Santa Cruz Biotechnology	sc-6254
anti-JNK	Rabbit	Santa Cruz Biotechnology	sc-571
anti-phospho-p38 (Thr180/Tyr182)	Rabbit	Cell Signaling Technology	#4511
anti-p38	Rabbit	Cell Signaling Technology	#8690
anti-phospho-ERK (Thr202/Tyr204)	Rabbit	Cell Signaling Technology	#4370
anti-ERK	Rabbit	Cell Signaling Technology	#4695
anti-phospho-p65 (Ser536)	Rabbit	Cell Signaling Technology	#3033
anti- p65	Rabbit	Cell Signaling Technology	#8242
anti-phospho-IKK α / β (Ser176/180)	Rabbit	Cell Signaling Technology	#2697
anti-IKK α	Mouse	Cell Signaling Technology	#11930
anti-IKK β	Rabbit	Cell Signaling Technology	#8943
anti-phospho-I κ B α (Ser32)	Rabbit	Cell Signaling Technology	#2859
anti-I κ B α	Mouse	Cell Signaling Technology	#4814
anti-iNOS	Rabbit	Cell Signaling Technology	#13120
anti-COX2	Rabbit	Cell Signaling Technology	#12282
anti-SIRT3	Rabbit	Cell Signaling Technology	#5490
α -tubulin	Mouse	Santa Cruz Biotechnology	sc-8035
β -actin	Rabbit	Cell Signaling Technology	#8457

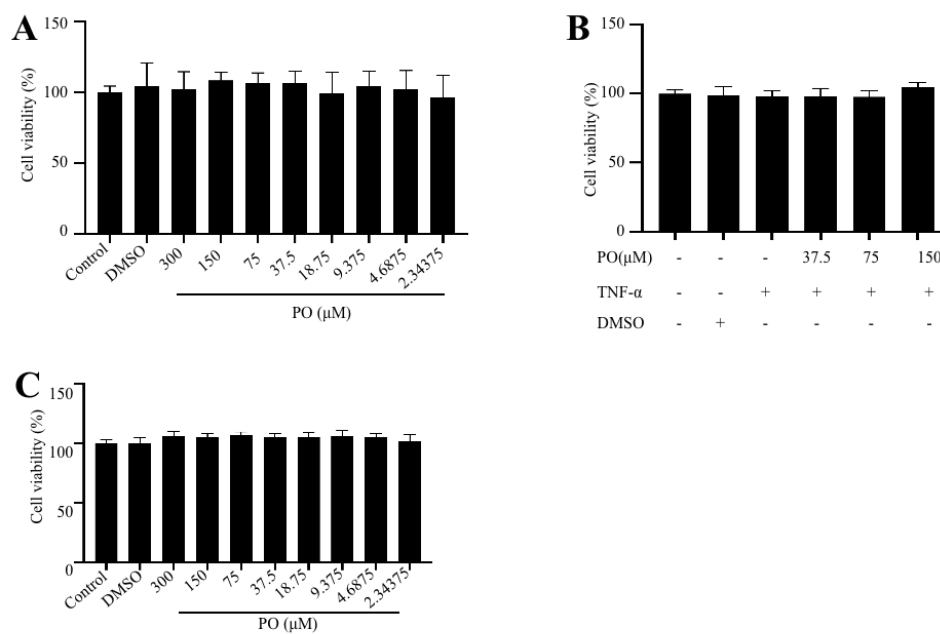


Fig. S1. Cytotoxicity of pogostone (PO) on cells. (A) Cell viability of PO on 3T3-L1 cells. (B) The cytotoxicity of PO on 3T3-L1 adipocytes with TNF- α . (C) Cell viability of PO on RAW264.7 macrophages. Cell viability was determined by MTT assay. Data are normalized to the mean value of control group. Data are expressed as means \pm SD (n = 6).