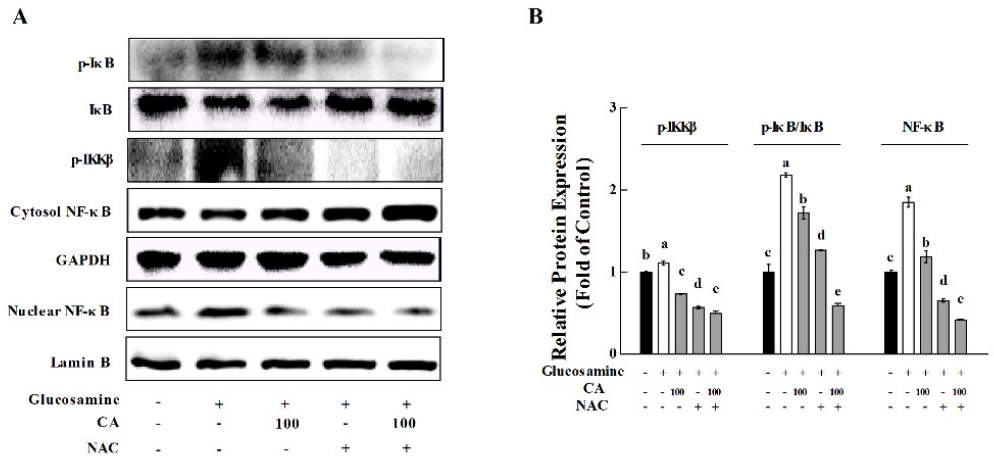
Electronic Supplementary Material (ESI) for RSC Advances.

Supplementary Figure 1.



HepG2 cells were incubated with 18 mM glucosamine for 18 h and starved for 2 h with serum-free medium. The antioxidants NAC (5 mM) was pre-incubated for 30 min, and CA (100 μM) was added to the medium for 24 h. (A) I-κB, I-κB phosphorylation, IKKβ phosphorylation, NF-κB and nuclear NF-κB in cells were detected using Western blot. GAPDH and Lamin B served as controls. IκB, IκB phosphorylation, IKKβ phosphorylation, NF-κB and GAPDH were separated from the cytoplasmic proteins, and nuclear NF-κB and internal Lamin B were extracted from the nuclear proteins. (B) The protein bands were quantified using densitometry. The results are expressed as the means ± SD of at least three independent experiments followed by a letter. Values having different superscripts are significantly different, $p < 0.05$.

Supplementary Tabble 1. Primer sequences used for semi-quantitative RT-PCR analysis

	Forward Primer	Reverse Primer
Tnf-α	CCCTCACACTCAGATCATCTTCT	GCTACGACGTGGGCTACAG
Mcp-1	AGGTCCCTGTCATGCTTCTG	TCTGGACCCATTCCTTCTTG
Il-6	TAGTCCTTCCTACCCCAATTTCC	TTGGTCCTTAGCCACTCCTTC
Il-1β	TGACGGACCCCAAAAGATGA	TCTCCACAGCCACAATGAGT
Cox-2	GAAGTCTTTGGTCTGGTGCCT	GCTCCTGCTTGAGTATGTCG
Nos2	GGAGCGAGTTGTGGATTG	CCAGGAAGTAGGTGAGGG
Nf-κb	CATGCGTTTCCGTTACAAGTGCGA	TGGGTGCGTCTTAGTGGTATCTGT
Ap-1	AGCAGATGCTTGAGTTGAGAGCCA	TTCCATGGGTCCCTGCTTTGAGAT
Ap-2	TAAAGTGGGATCGAGGAGGCCAGAAA	AGTCACAAAGACTCCAAGAGGGCA
Jnk	AAGCAGCAAGGCTACTCCTTCTCA	ATCGAGACTGCTGTCTGTGTCTGA
Ho-1	ATGTGGCCCTGGAGGAGGAGA	CGCTGCATGGCTGGTGTGTAG
Nqo-1	GGATTGGACCGAGCTGGAA	AATTGCAGTGAAGATGAAGGCAAC
Nrf2	ATGGATTTGATTGACATCCTT	CATGTTTTTCTTTGTATCTGG
Keap1	CACACTAGAGGATCACACCAAG	CCGTGTAGGCGAACTCAATAA
Gck	AGTATGACCGGATGGTGGATGAA	CCAGCTTAAGCAGCACAAGTCGTA
Pk	ATCTGGGCAGATGATGTGGA	ATAGGGTGTAACTGGGTCAGAATGG
Pfk	CCACCTGGAGGCCATTGTAGA	GGGATGACGCACATGACGA
G-6-Pase	CAGTGGTCGGAGACTGGTTC	GTCCAGGACCCACCAATACG
Pepck	ACTGTTGGCTGGCTCTCACTG	GGGAACCTGGCGTTGAATGC