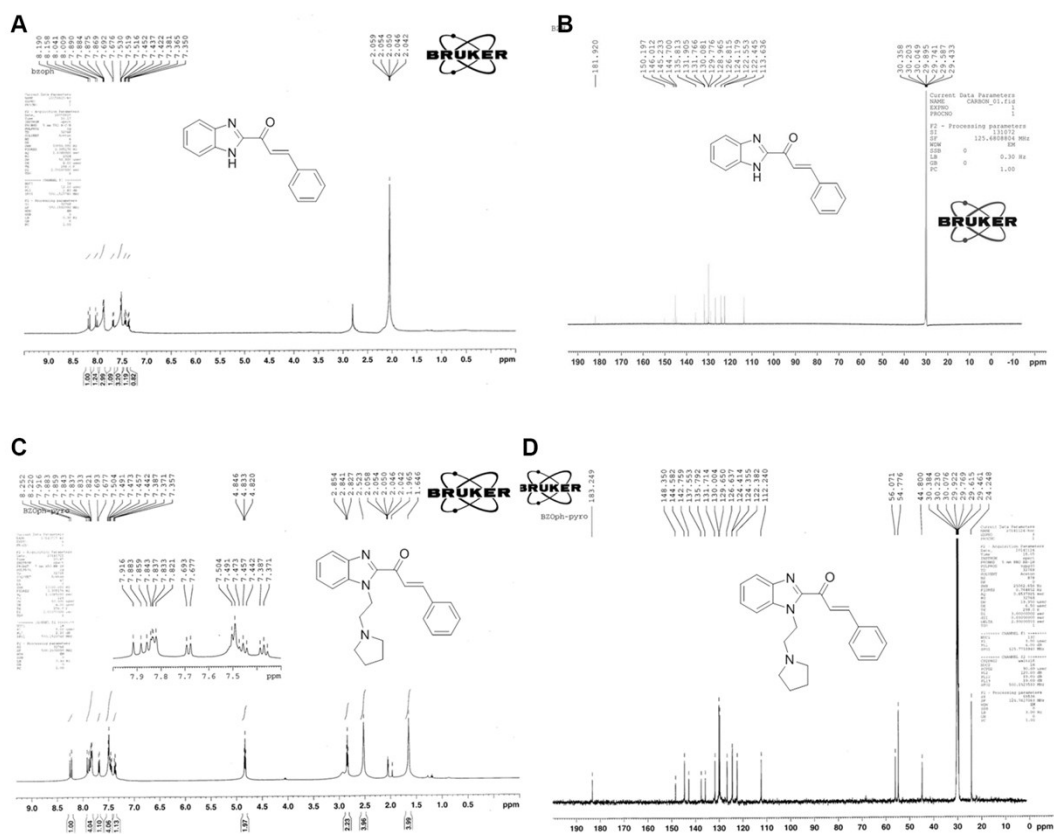


Supplementary Table S1. Real-time PCR primers used in the study.

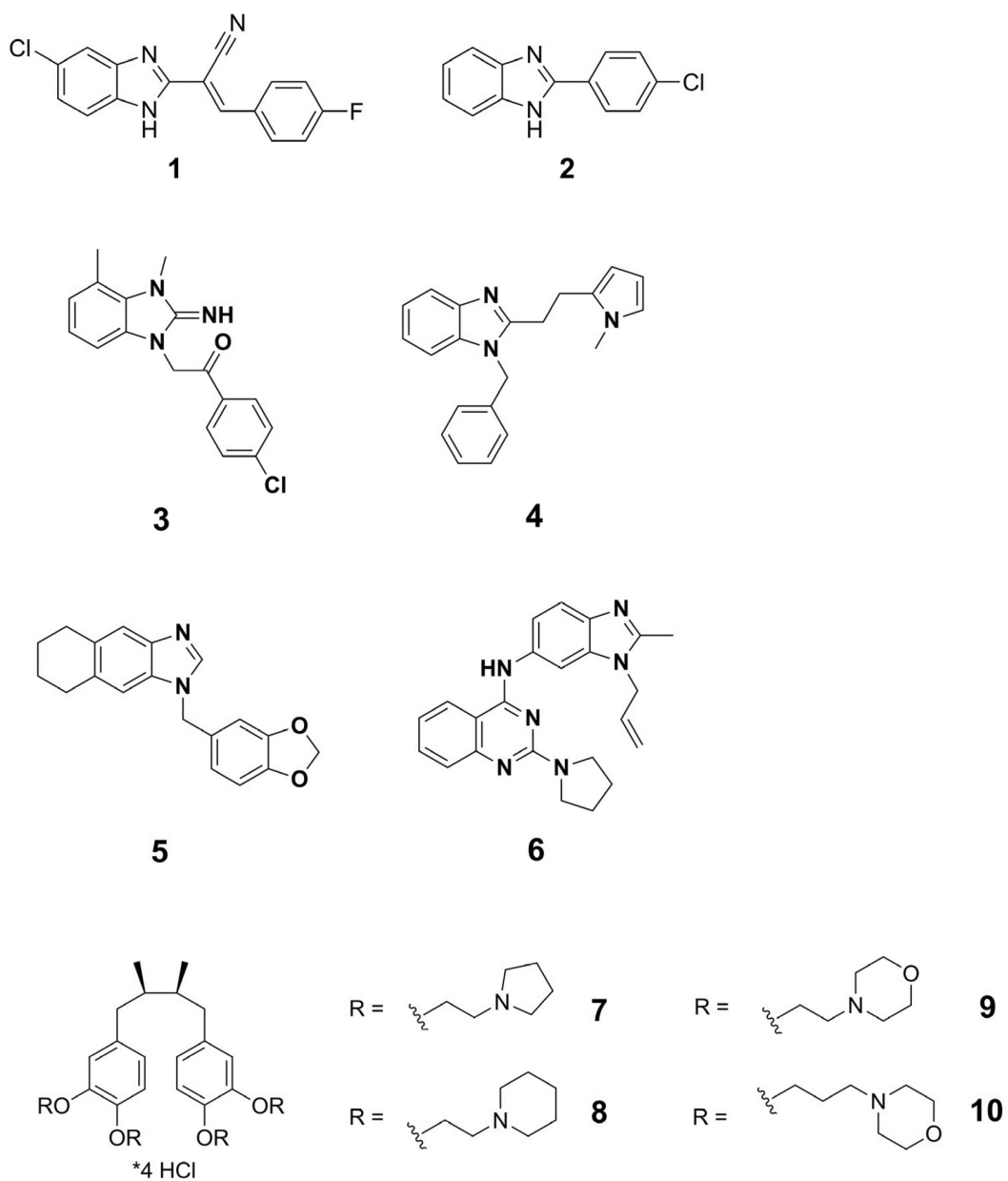
Gene Name	Forward (5'-3')	Reverse (5'-3')
Bax	TGCTTCAGGGTTTCATCCAG	GGCGGCAATCATCCTCTG
Bcl-2	AGGAAGTGAACATTTTCGGTGAC	GCTCAGTTCCAGGACCAGGC
Bcl-xl	GCTGCATTGTTCCCGTAGAG	GTTGGATGGCCACCTATCTG
α -fetoprotein	CCCACTGGAGATGAACAGTCTTC	TGGCAAAGTTCTTCCAGAAAGG
glypican-3	GAGACTGCGGTGATGATGAAG	TCGGAGTTGCCTGCTGAC
survivin	CGAGGCTGGCTTCATCCA	CAACCGGACGAATGCTTTTT
Pk	GATCACTAAGGCTCGACCAACTC	TGATACAGTCAGCCCCATCCA
Pcx	AGGTGCTTGGCTGGTACAAGAT	TCCAGACGCCGGACATTT
HMGCR	TGTGGTTTGTGAAGCCGTCAT	TCAACCATAGCTTCCGTAGTTGTC
SREBP2	GCTACCGGTCCTCCATCAAC	ACGCCAGACTTGTGCATCTTG
cyclin D1	AGGAACAGAAGTGCGAGGAGG	GGATGGAGTTGTCTGGTGTAGATG
Fasn	CCGTGTGACCGCCATCTATAT	AGCGGCTCGTTGTACATC
Mttp	CGTCCACATACAGCCTTGAC	CCACCTGACTACCATGAAGC
Acs14	GAAAACCTTGAGCGTTCCTCCAA	ACGTTCACTGGCCTGTCA
Scd1	TGGAAATGCCTTTGAGATGG	CCAGCCAGCCTCTTGACTAT
Acc	CCAGGCCATGTTGAGACGCT	ATCACAGAGCGGACGCCATC
Pepck	CTGGCACCTCAGTGAAGACA	TCGATGCCTTCCCAGTAAAC
Foxo1	ACATTTTCGTCCTCGAACCAGCTCA	ATTTTCAGACAGACTGGGCAGCGTA
G6pase	TCTTGTGGTTGGGATACTGG	AGCAATGCCTGACAAGACTC
GAPDH	TCACCACCATGGAGAAGGC	GCTAAGCAGTTGGTGGTGCA

supplementary Figure 1



Supplementary Fig. 1. NMR spectra of compound 4a and 9a. (A) ^1H NMR spectrum of compound 4a. (B) ^{13}C NMR spectrum of compound 4a. (C) ^1H NMR spectrum of compound 9a. (D) ^{13}C NMR spectrum of compound 9a.

supplementary Figure 2



Supplementary Fig. 2. Structures comparison of benzimidazole derivatives 23, 51-56.