Fig. 1

FIG. 1A

Young mice(2 m)

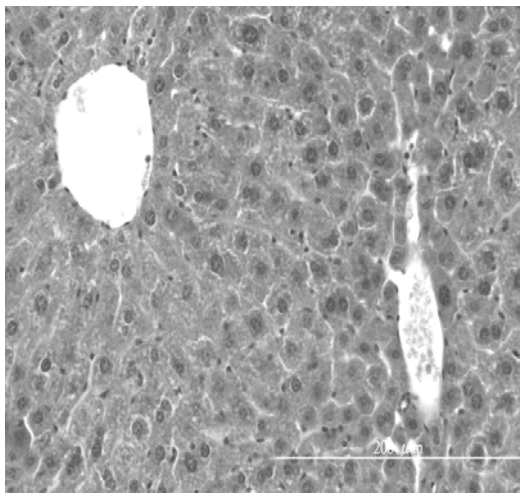


FIG. 1B

Old mice (20 m)

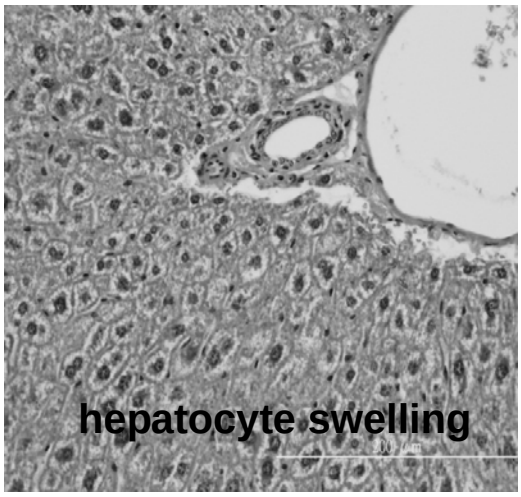


FIG. 1C

Old mice (20 m)

Treated 100 mg/kg/day

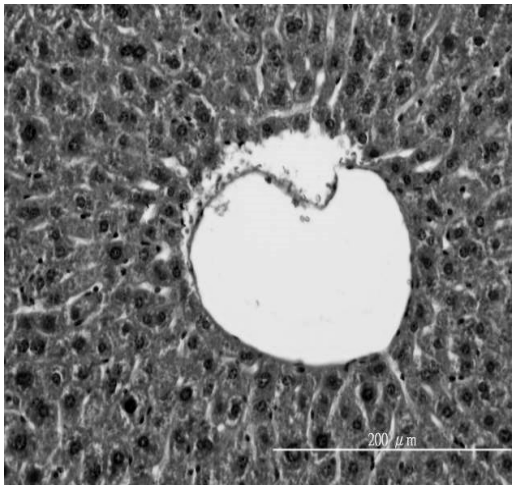
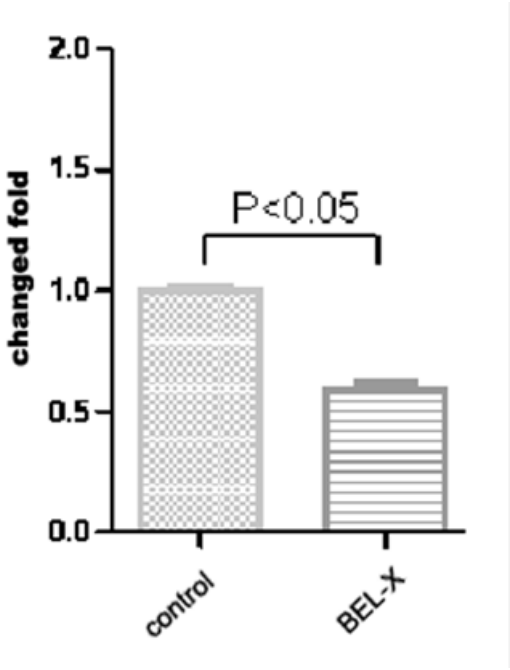
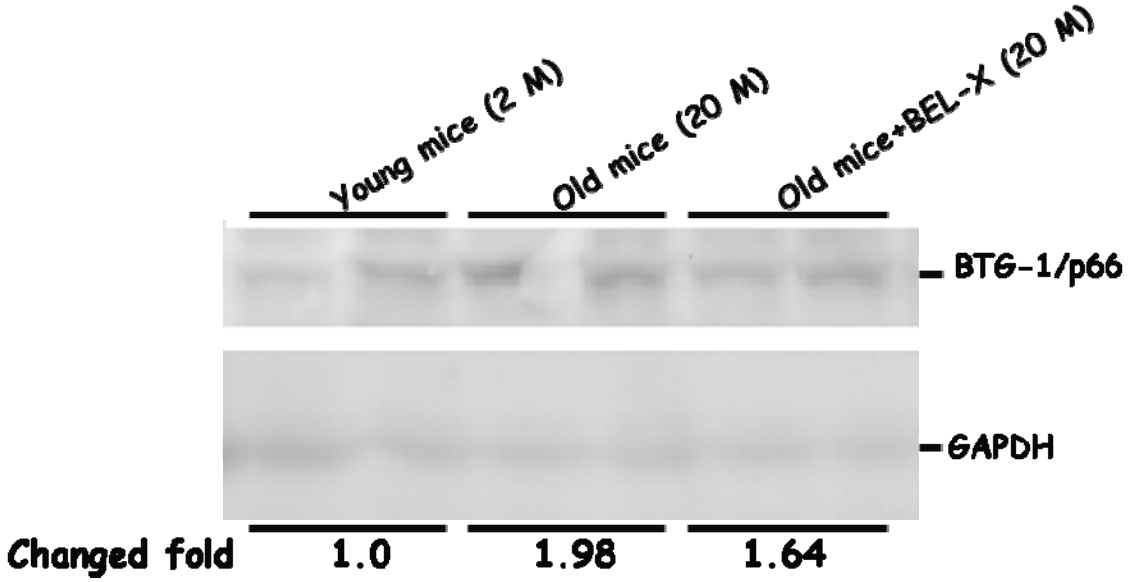


Fig. 2



Detection of BTG-1/p66 by RT-PCR

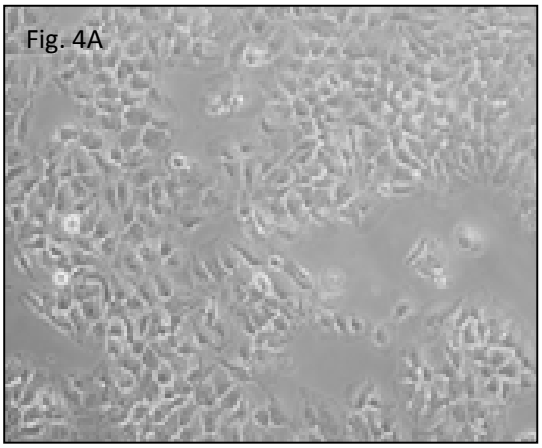
Fig. 3

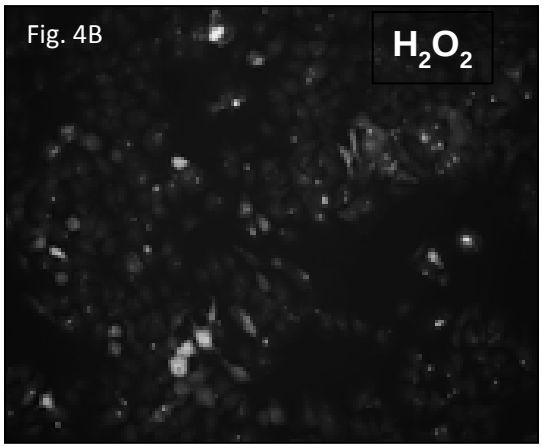


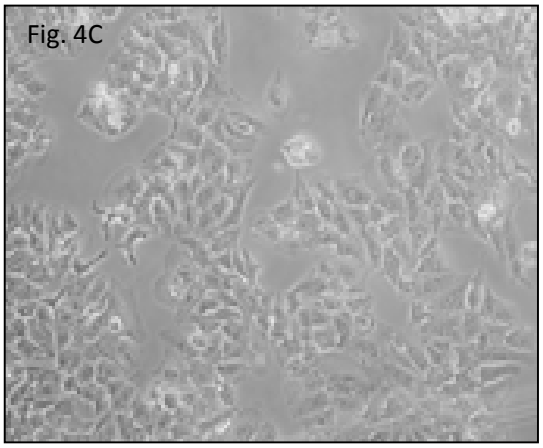
Effect of Aging and Bel-X on SHC-1/p66 protein

Fig. 4

BEL-X Reduced ROS Production







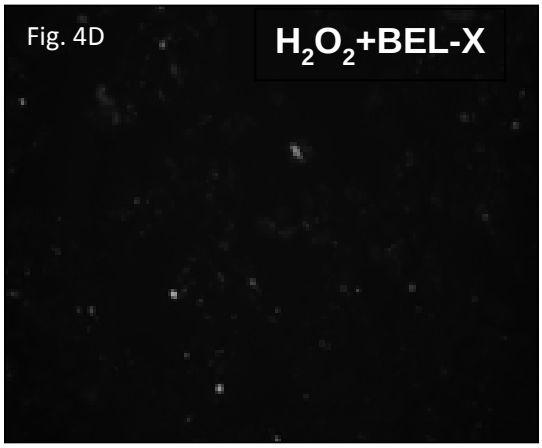
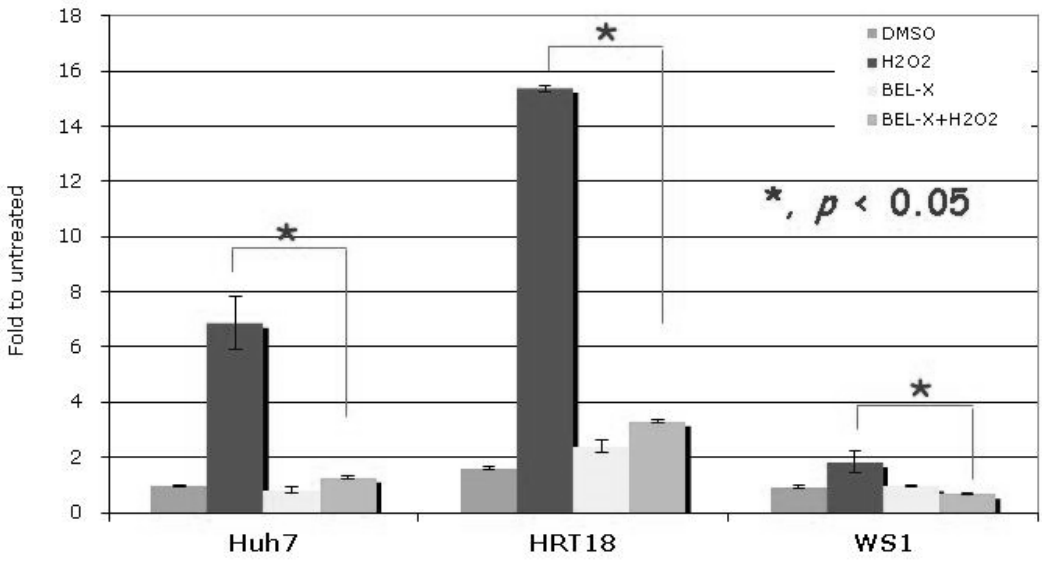


Fig. 5


18
16
14
12
10
8
6
4
2
0
Fold to untreated
DMSO
H2O2
BEL-X
BEL-X+H2O2
*, p < 0.05
*
*
*
Huh7
HRT18
WS1

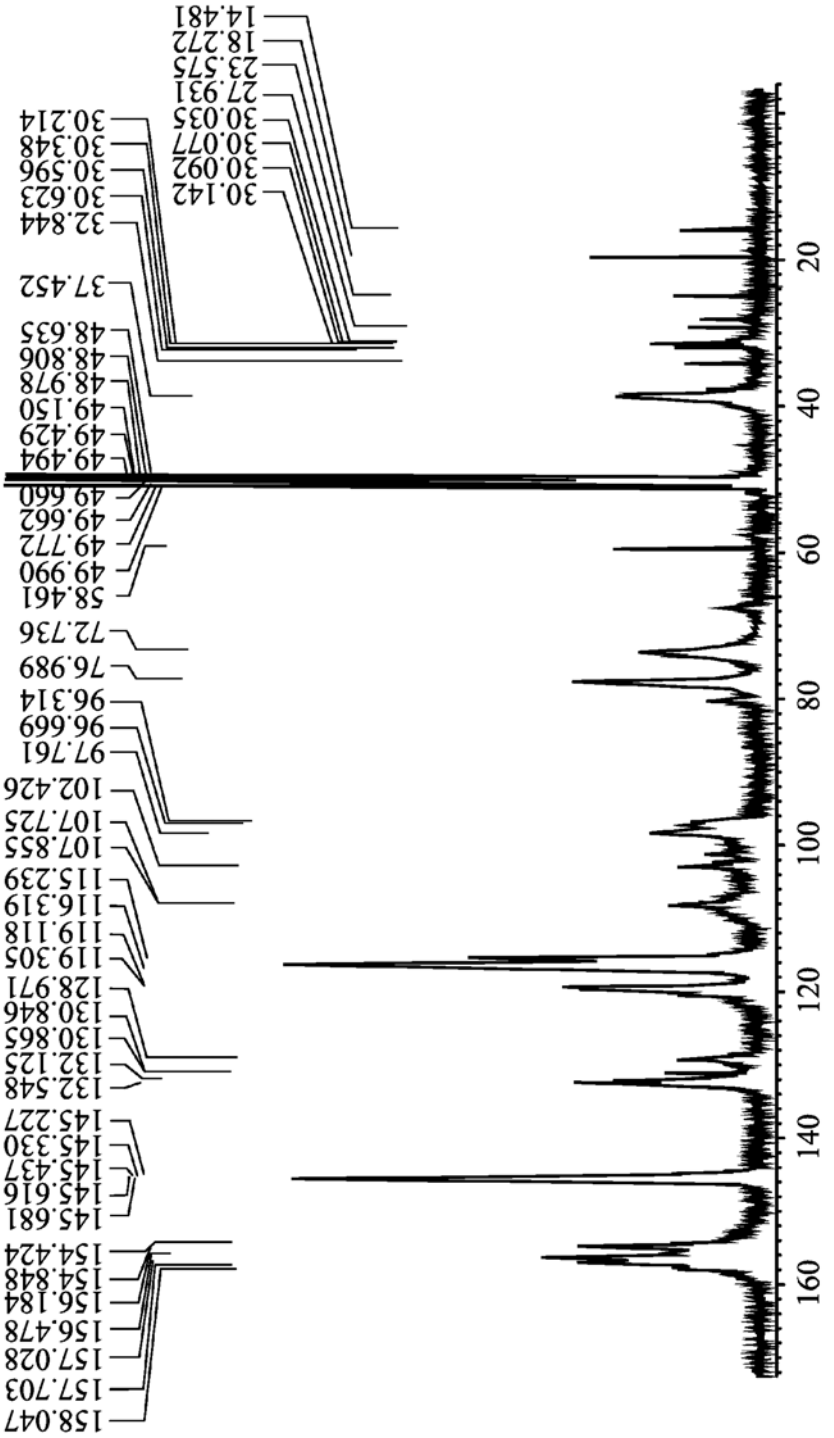

158.047
157.703
157.028
156.478
156.184
154.848
154.424
145.681
145.616
145.437
145.330
145.227
132.548
132.125
130.865
130.846
128.971
119.305
119.118
116.319
115.239
107.855
107.725
102.426
97.761
96.669
96.314
76.989
72.736
58.461
49.990
49.772
49.662
49.660
49.494
49.429
49.150
48.978
48.806
48.635
37.452
32.844
30.623
30.596
30.348
30.214
30.142
30.092
30.077
30.035
27.931
23.575
18.272
14.481
160
140
120
100
80
60
40
20

Fig. 6A

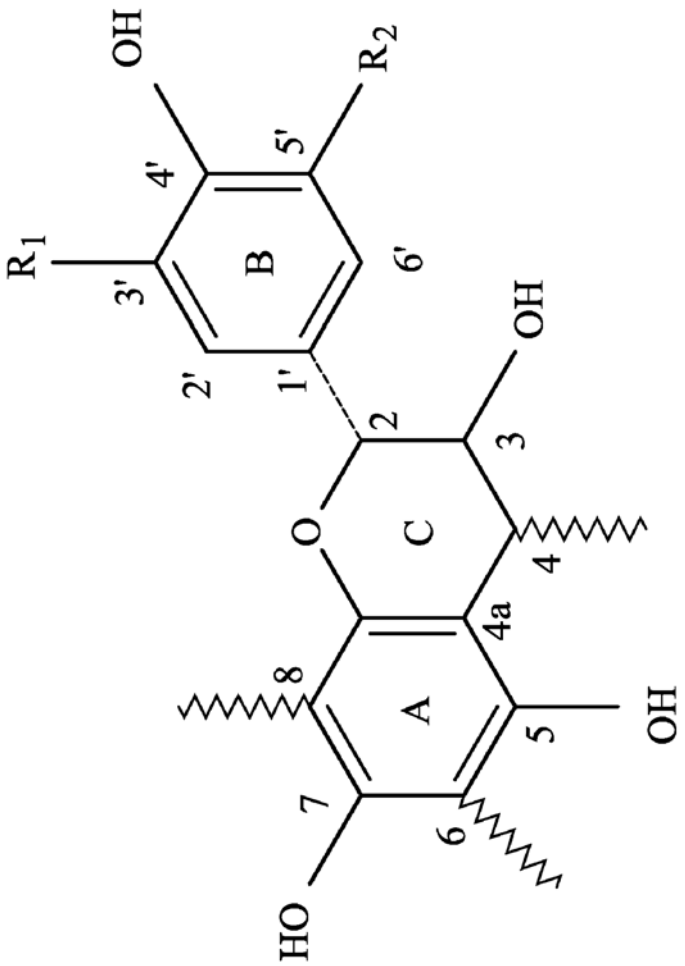


Fig. 6B

gnal (ppm)	Assignment
154.4-158.1	C5 , C7, C8a ， A-ring
145.2-145.7	C3' and C4' of procyanidin (PC)unit (catechin /epicatechin)(no delphindin)
132.1-132.5	C1'
131	C4'
119	C6'
116	C2'
115	C5'
107	C6"
102	C4a
96.3-97.9	C6,C8
72.7-77	C2 trans, C2 cis , C3 both cis and trans isomers
67.3	C3
37.4	C4

Fig. 6C

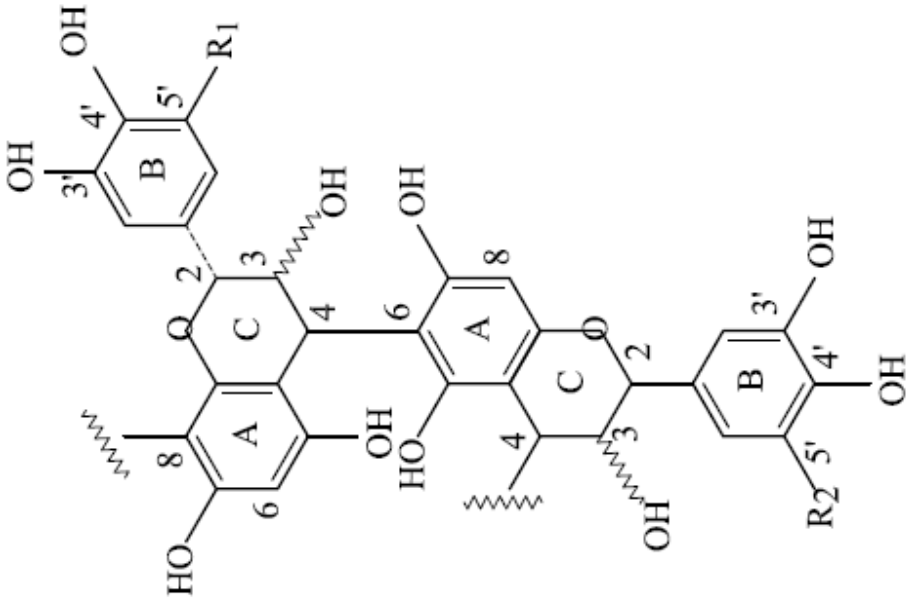


Fig. 7B

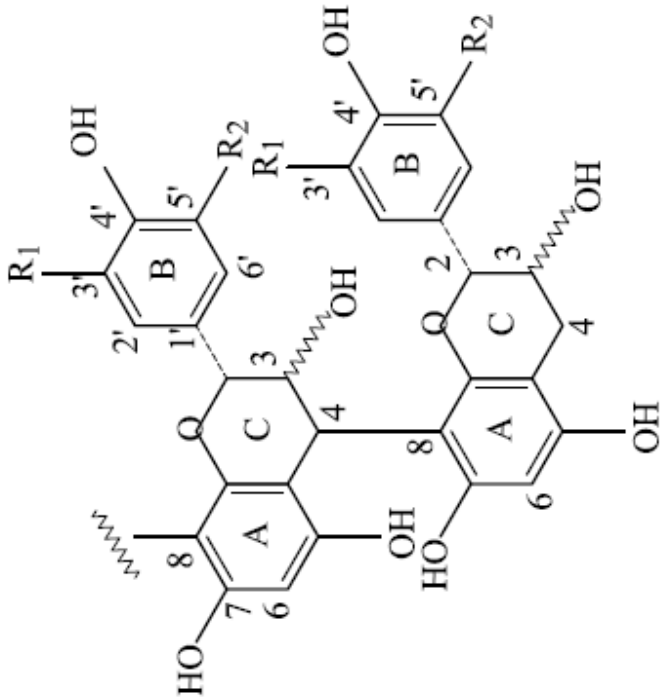


Fig. 7A