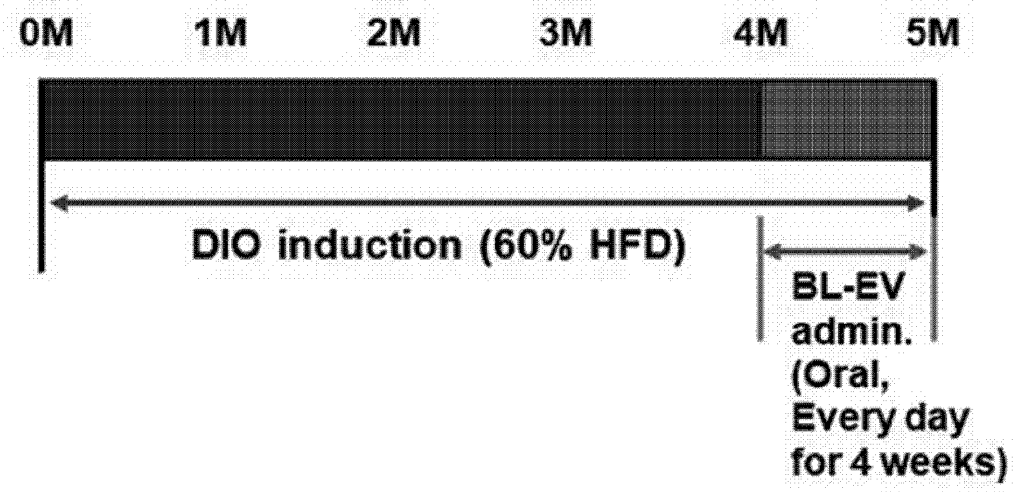
[도1]

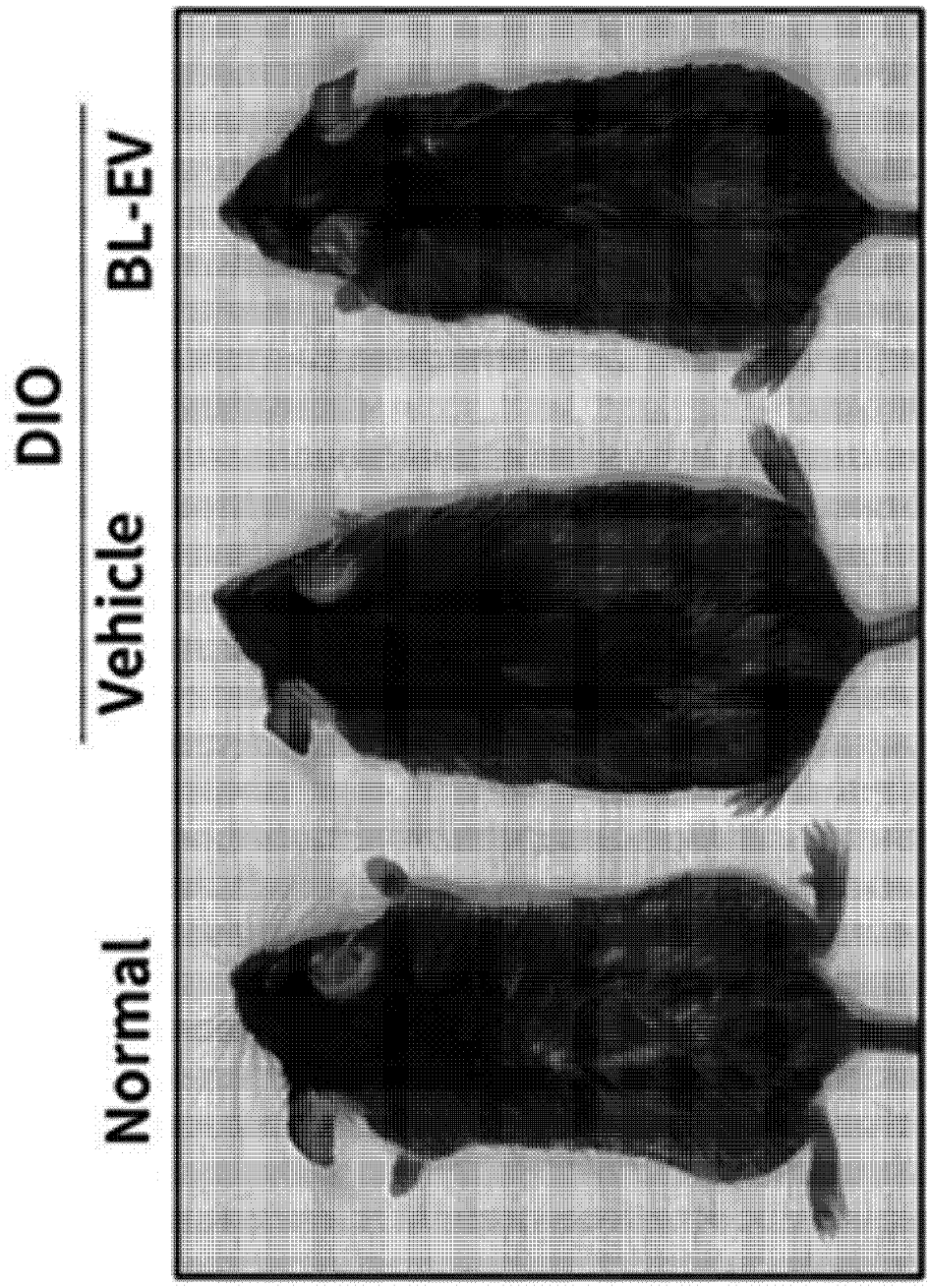
Sample	Particle size (nm)[a]
BL-EV	162±6.0
BA-EV	112.1±45.6
BB-EV	102.8±34.1
BBR-EV	86.0±42.0
BLA-EV	97.9±40.7

[a]Determined using nanoparticle tracking analyzer

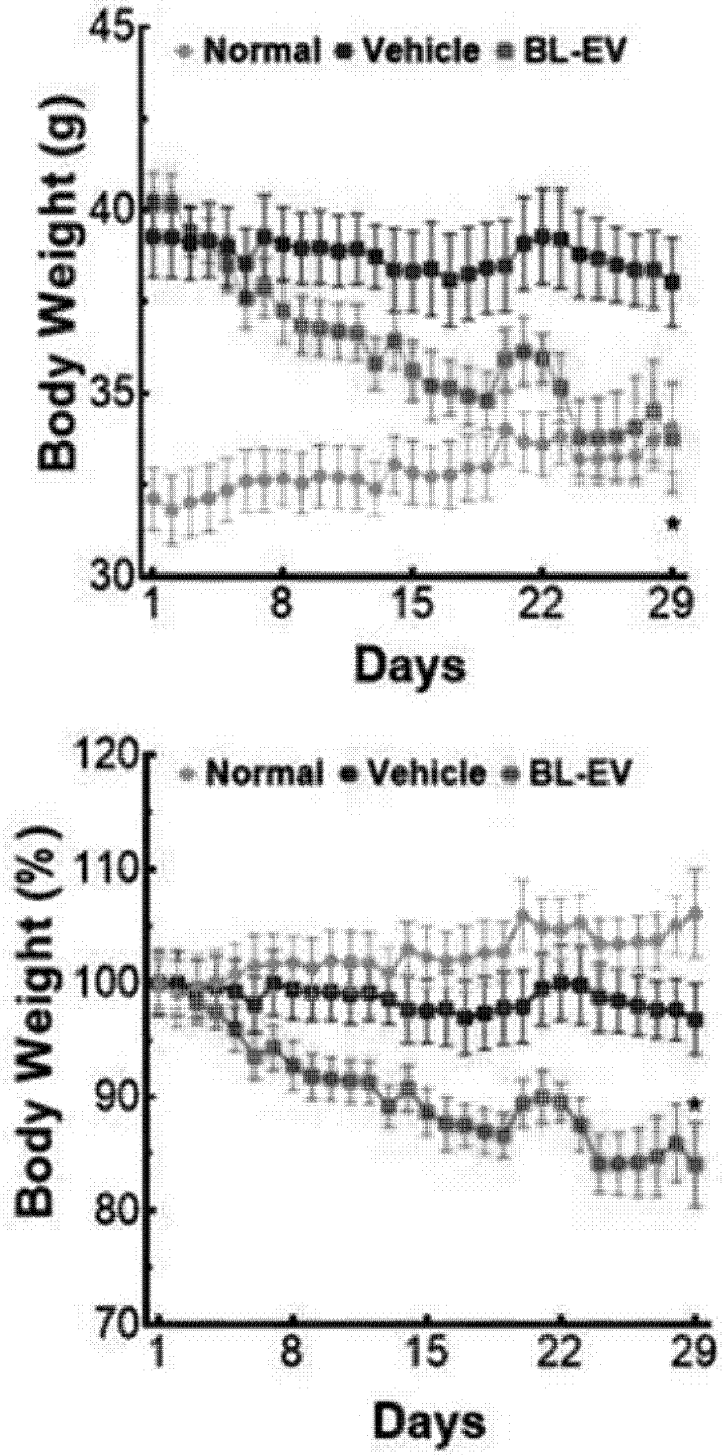
[도2]



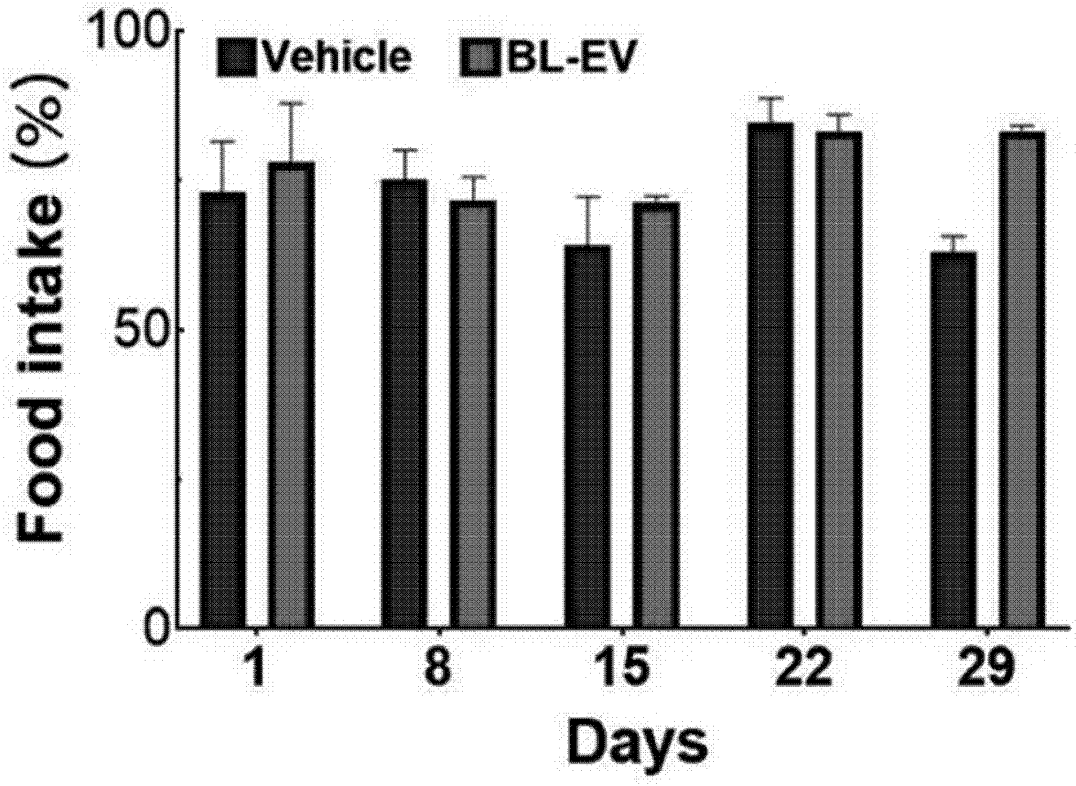
[도3a]



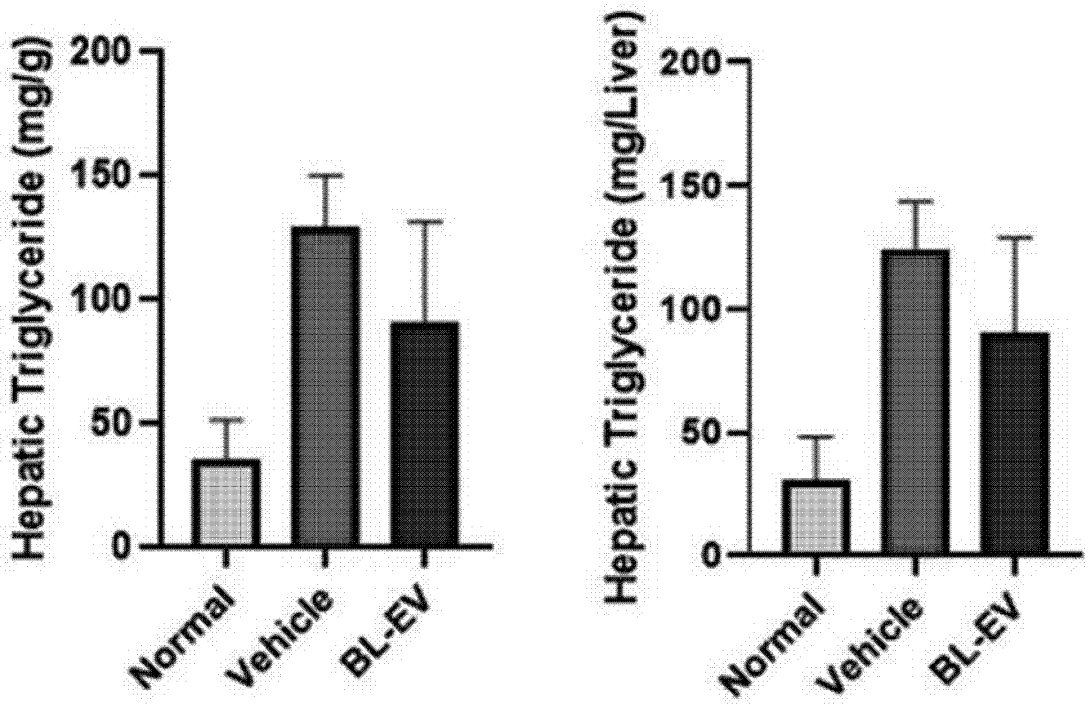
[도3b]


Normal
Vehicle
BL-EV
Body Weight (g)
45
40
35
30
1
8
15
22
29
Days
Normal
Vehicle
BL-EV
Body Weight (%)
120
110
100
90
80
70
1
8
15
22
29
Days

[도3c]



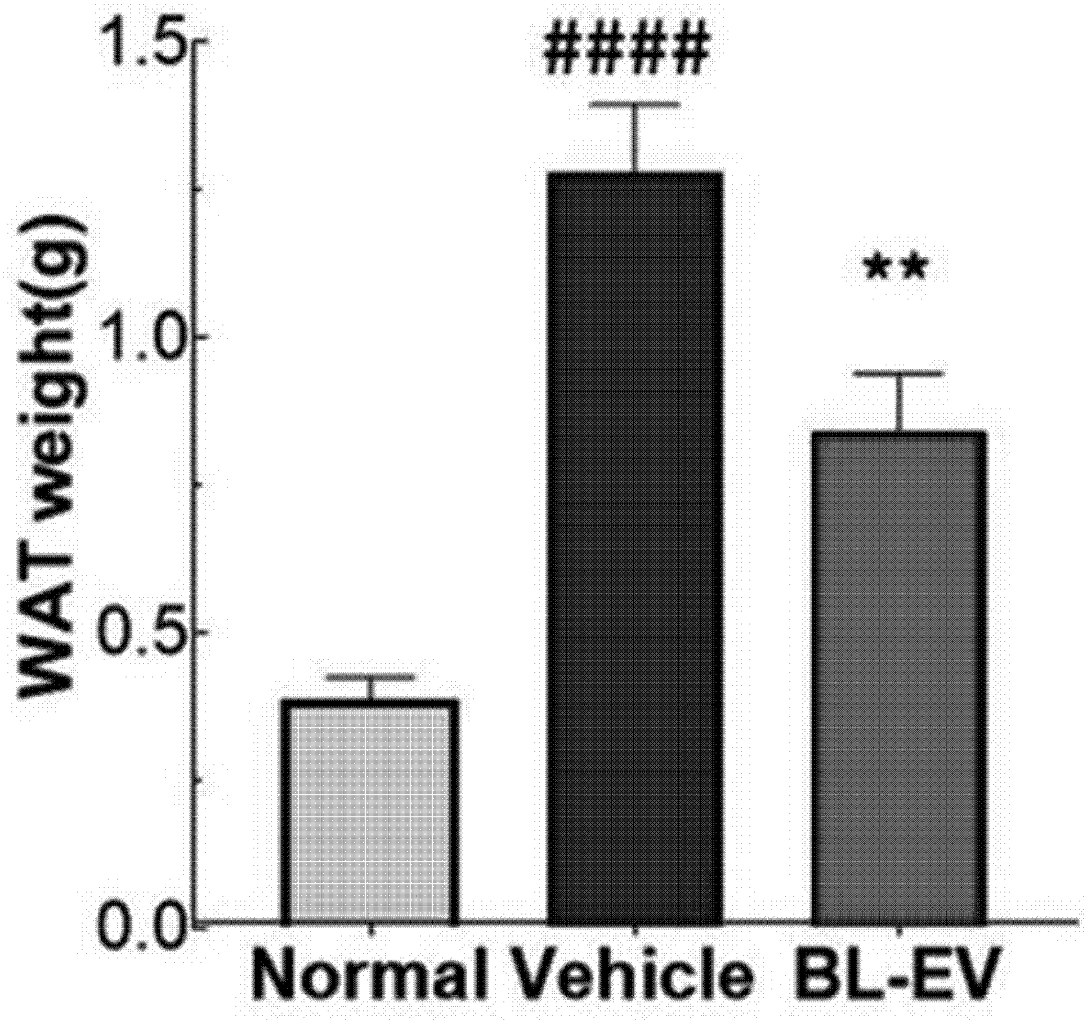
[도3d]



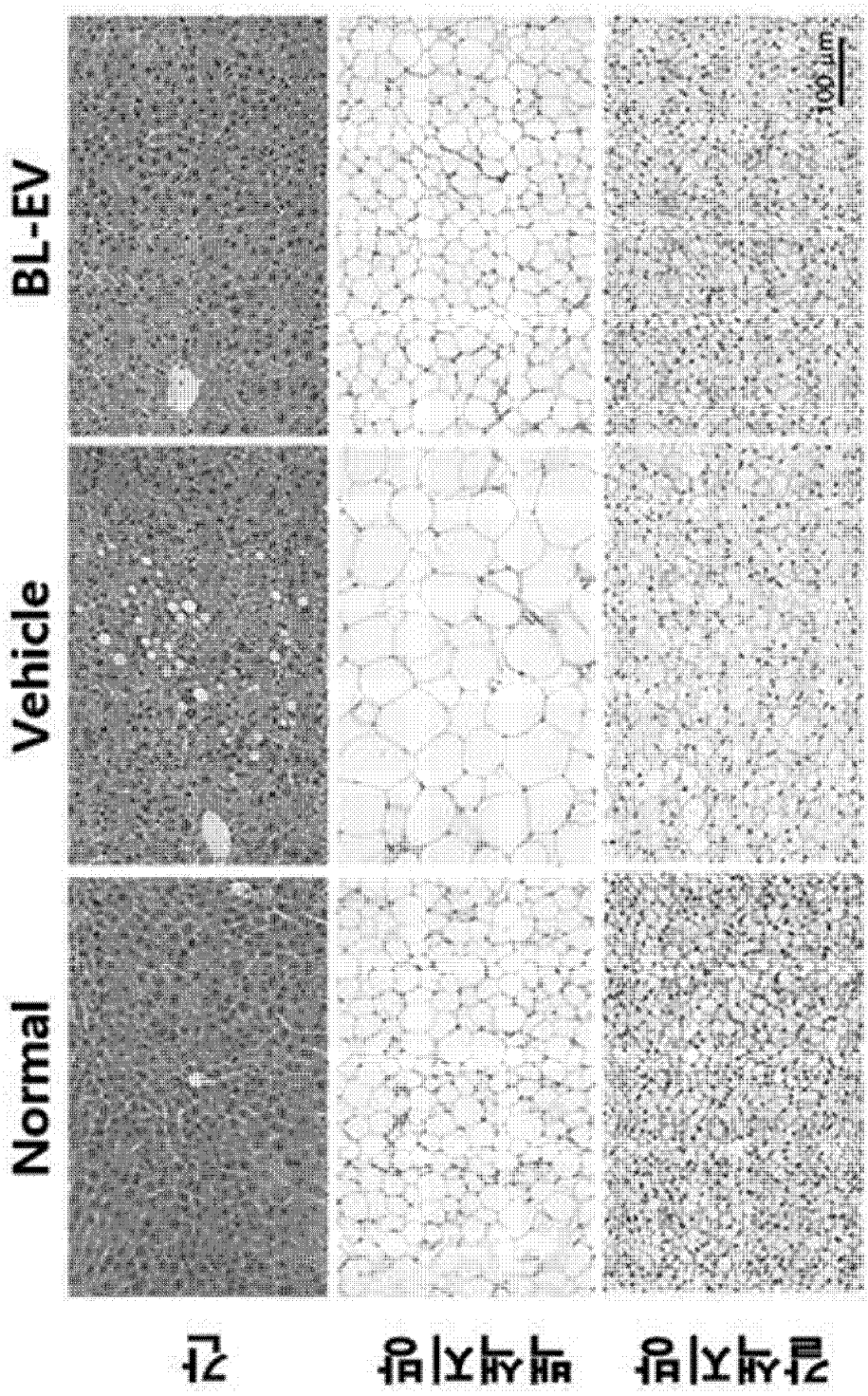
[도3e]

(mg/dl)	Normal			Vehicle			BL-EV		
	Mean	SEM	N	Mean	SEM	N	Mean	SEM	N
Triglyceride	107.8	10.5	5	78.2	13.8	5	65.8	5.8	5
HDL	86.4	4.4	5	106.8	5.2	5	96.8	15.8	5
LDL	14.4	2.1	5	18	2.1	5	19	3.6	5
Total Cholesterol	122.4	6.2	5	140.4	4.2	5	129.0	12.1	5

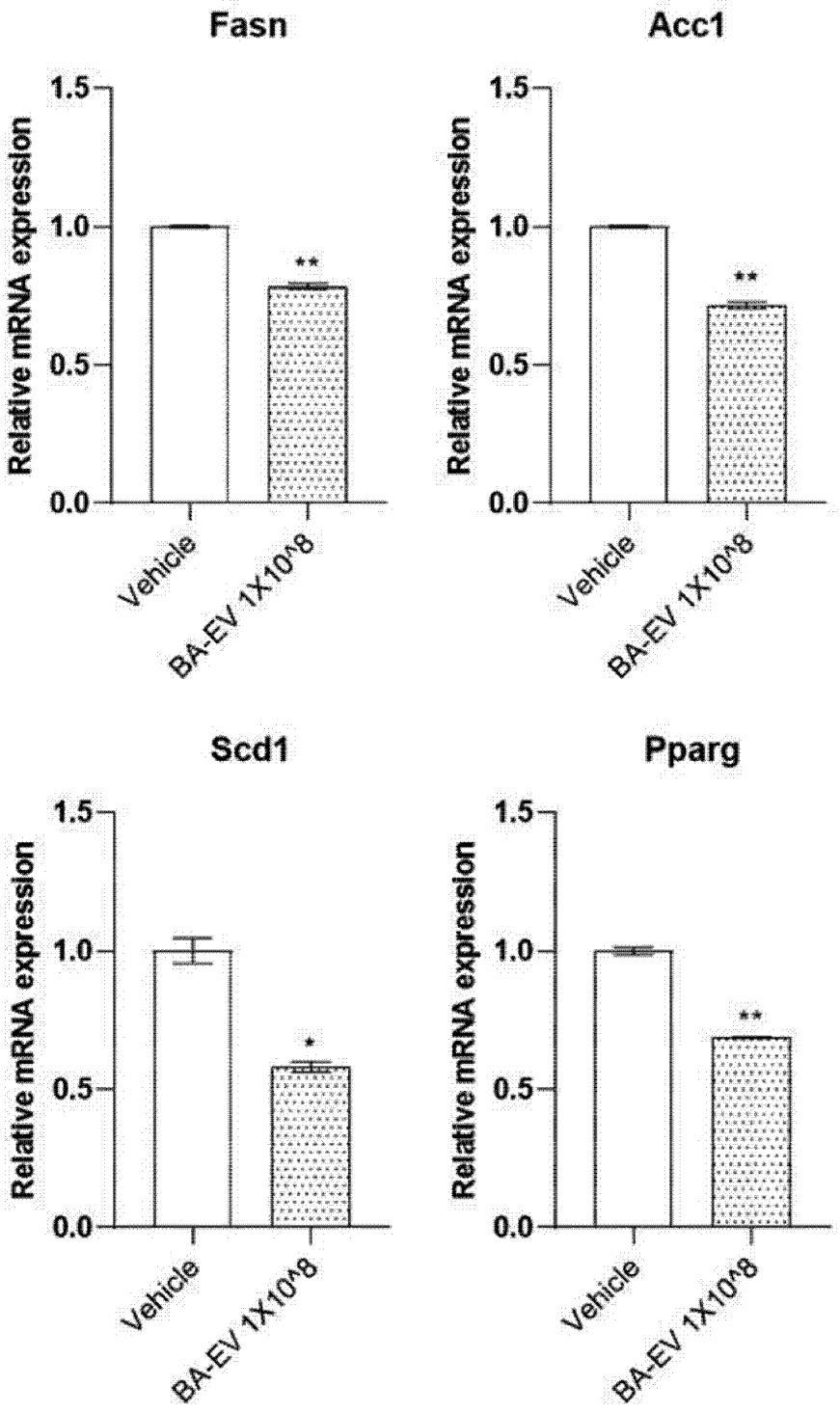
[도3f]



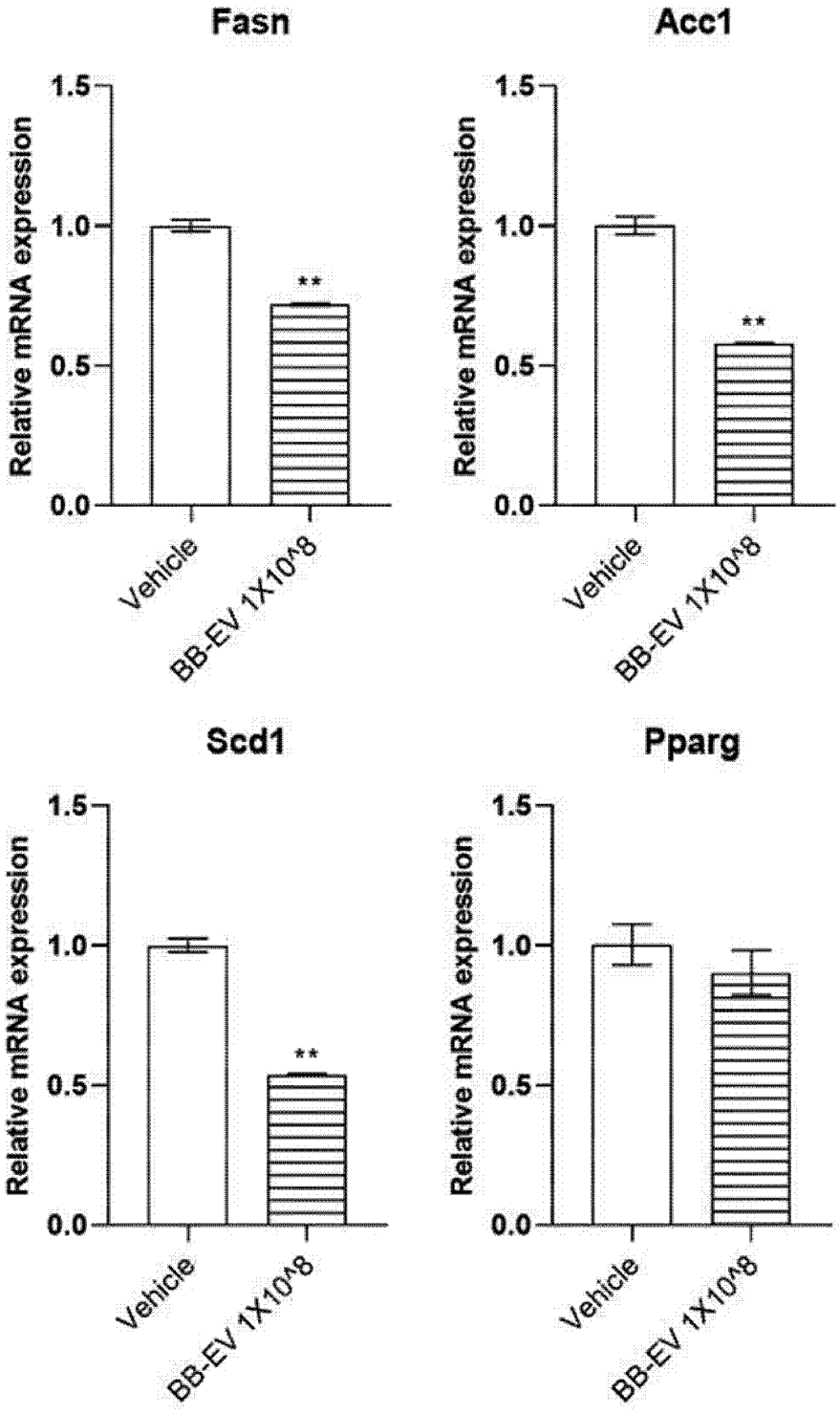
[도3g]



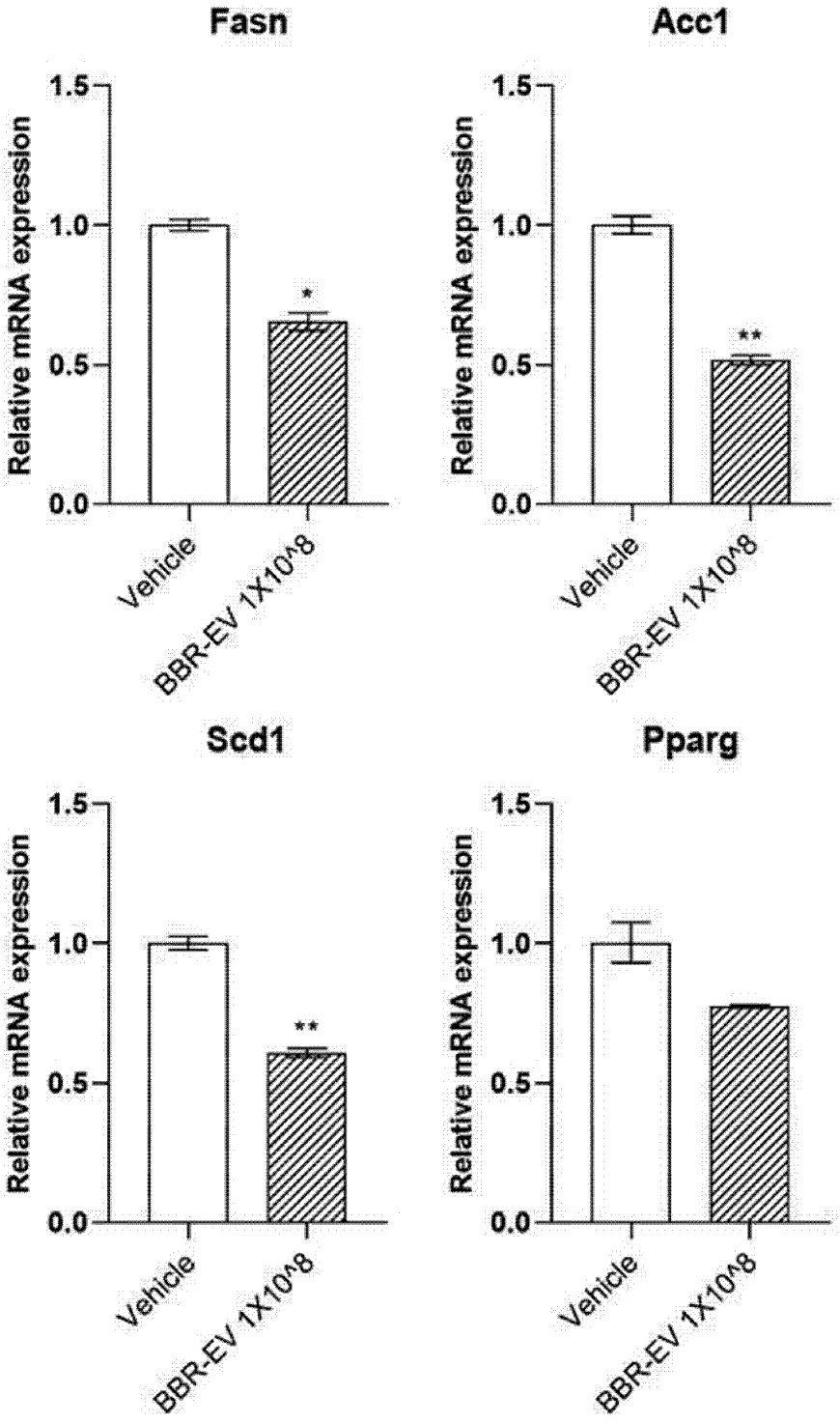
[도4a]


Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
**
*
Vehicle
BA-EV 1X10^8

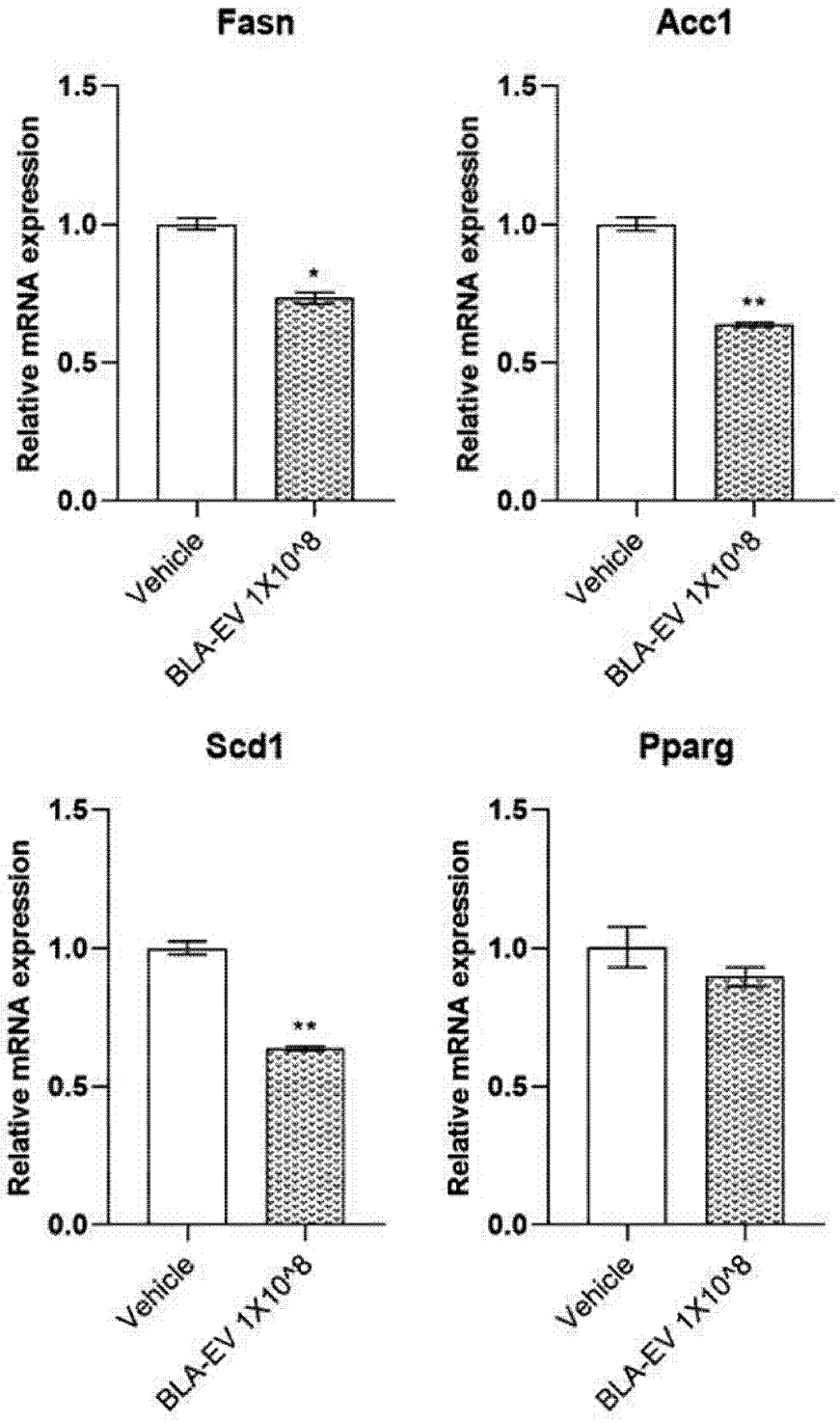
[도4b]


Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
**
Vehicle
BB-EV 1X10^8

[도4c]


Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
*
**
Vehicle
BBR-EV 1X10^8

[도4d]


Fasn
Acc1
Scd1
Pparg
Relative mRNA expression
1.5
1.0
0.5
0.0
*
**
Vehicle
BLA-EV 1X10^8