Figure 1

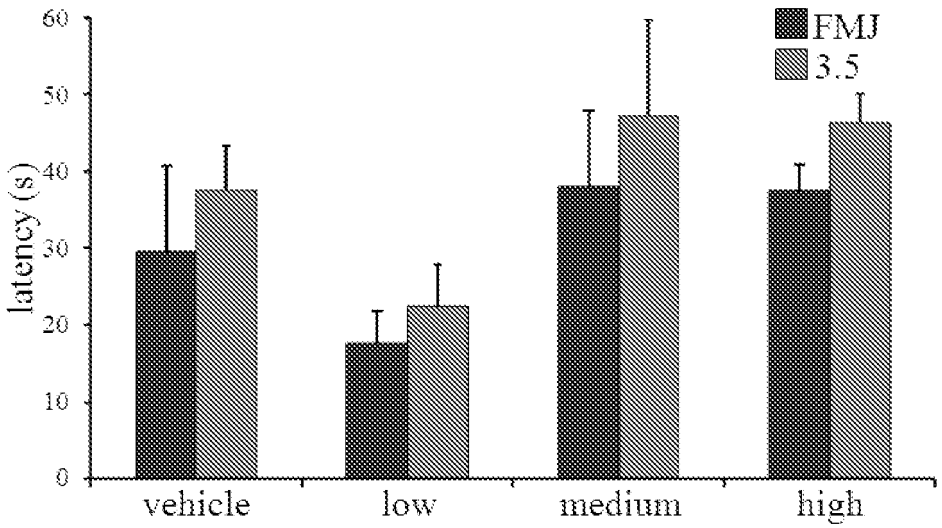


Figure 2

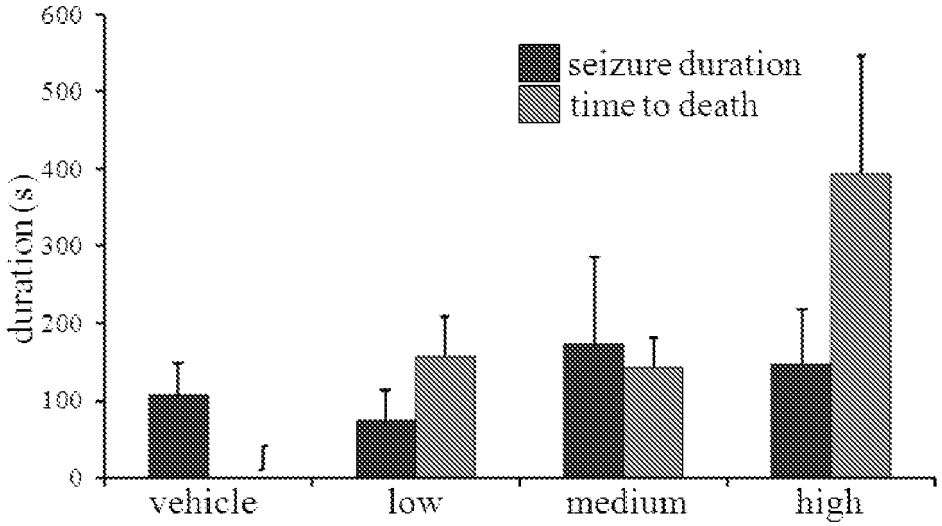

600
500
400
300
200
100
0
duration (s)
seizure duration
time to death
vehicle
low
medium
high

Figure 3

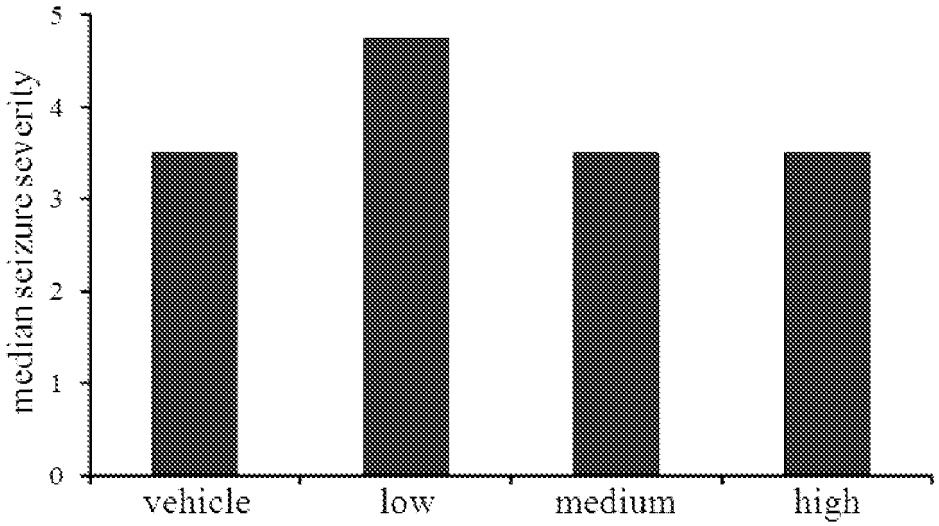


Figure 4

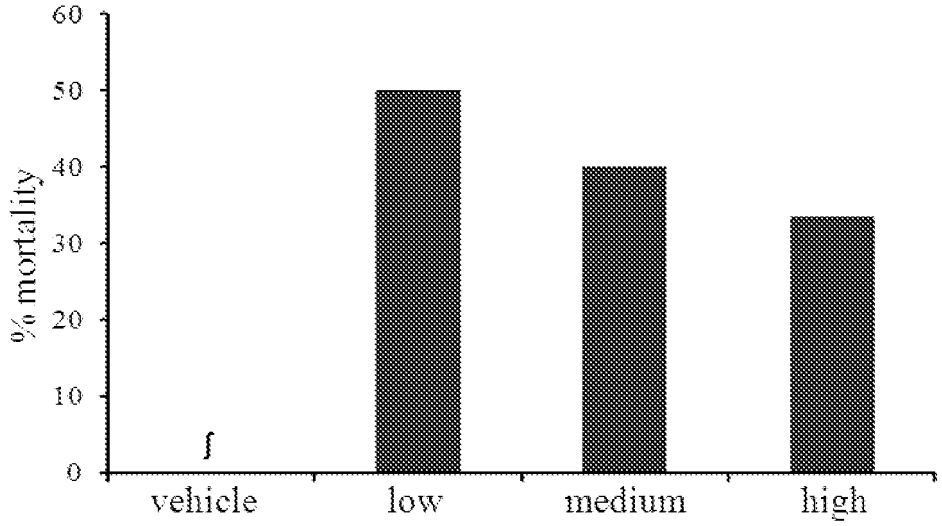


Figure 5

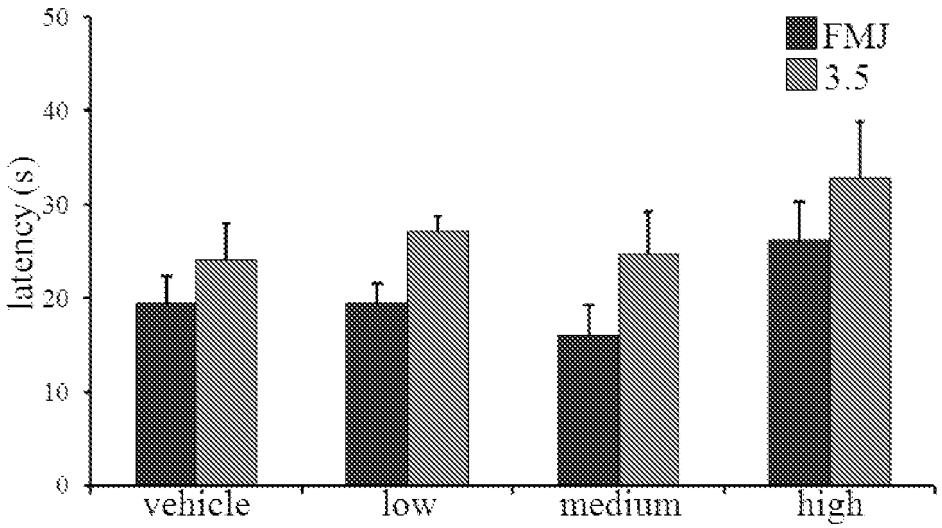


Figure 6

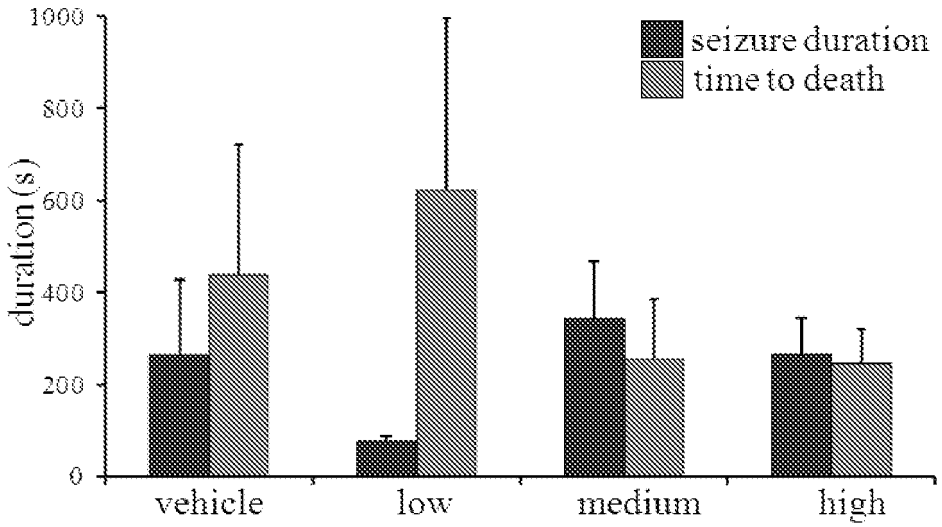

1000
800
600
400
200
0
duration (s)
seizure duration
time to death
vehicle
low
medium
high

Figure 7

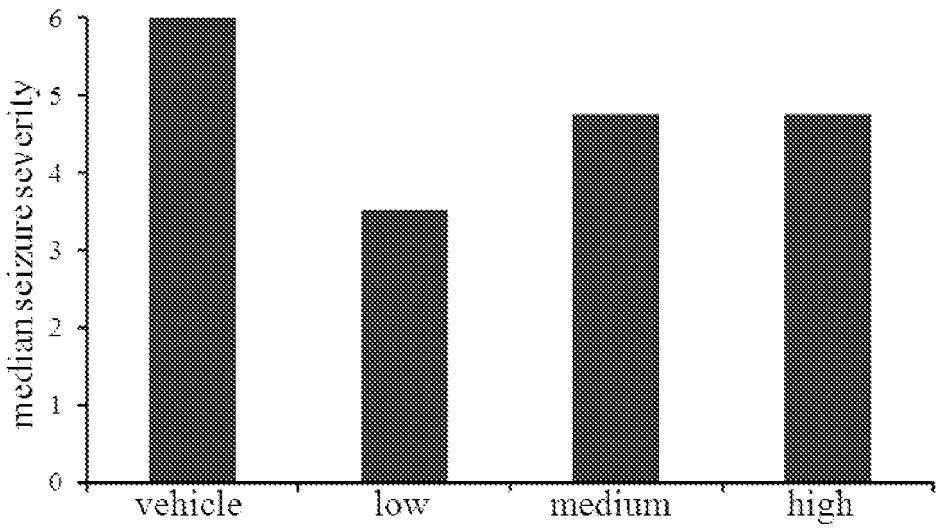


Figure 8

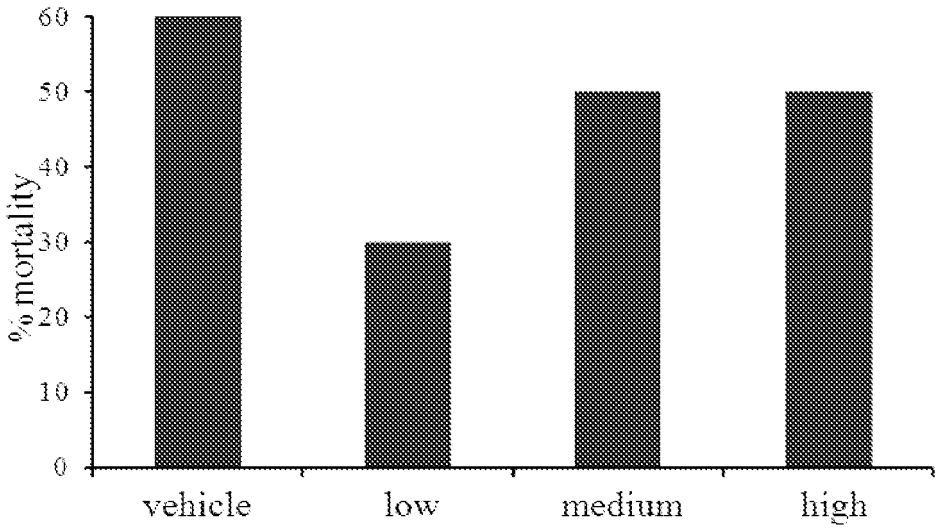


Figure 9 A-D

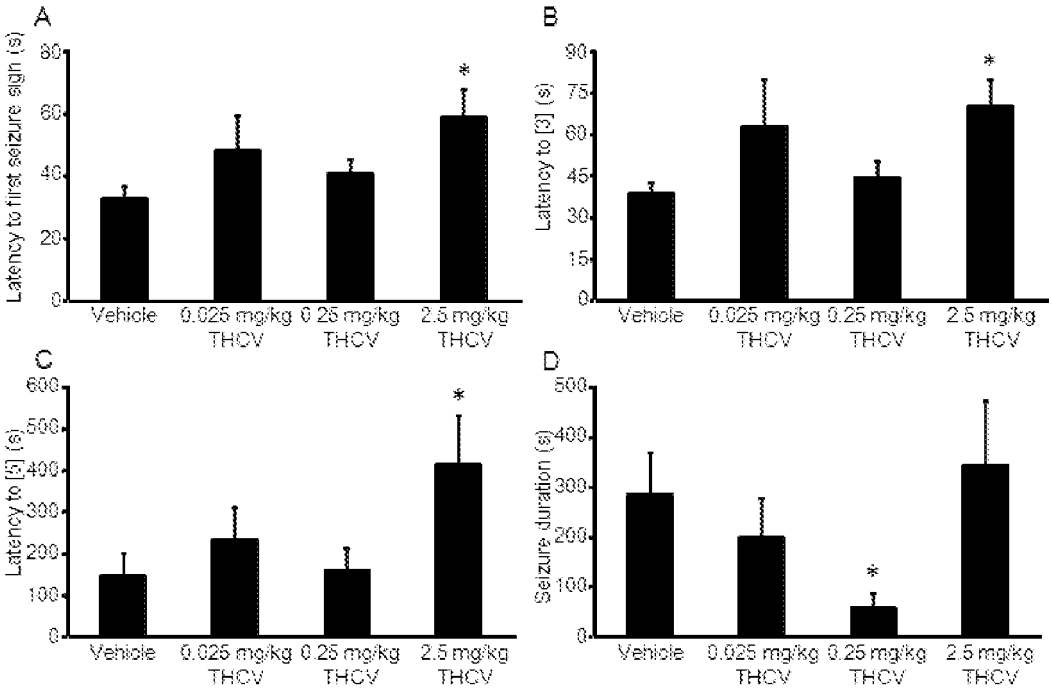

A
Latency to first seizure sign (s)
0
20
40
60
80
*
Vehicle
0.025 mg/kg THCV
0.25 mg/kg THCV
2.5 mg/kg THCV
B
Latency to [3] (s)
0
15
30
45
60
75
90
*
Vehicle
0.025 mg/kg THCV
0.25 mg/kg THCV
2.5 mg/kg THCV
C
Latency to [5] (s)
0
100
200
300
400
500
600
*
Vehicle
0.025 mg/kg THCV
0.25 mg/kg THCV
2.5 mg/kg THCV
D
Seizure duration (s)
0
100
200
300
400
500
*
Vehicle
0.025 mg/kg THCV
0.25 mg/kg THCV
2.5 mg/kg THCV

Figure 10 A-B

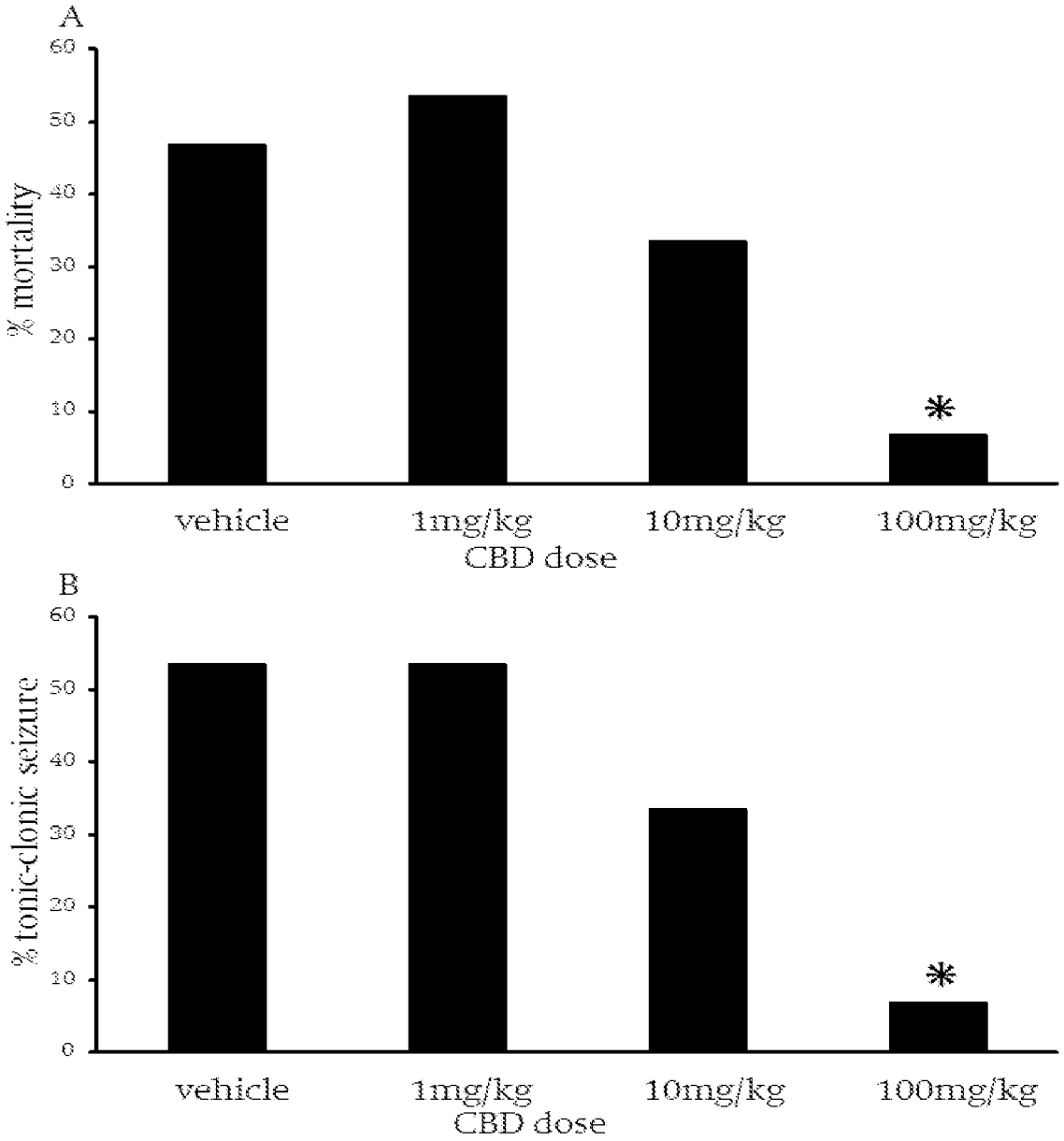

A
% mortality
60
50
40
30
20
10
0
*
vehicle
1mg/kg
10mg/kg
100mg/kg
CBD dose
B
% tonic-clonic seizure
60
50
40
30
20
10
0
*
vehicle
1mg/kg
10mg/kg
100mg/kg
CBD dose

Figure 11

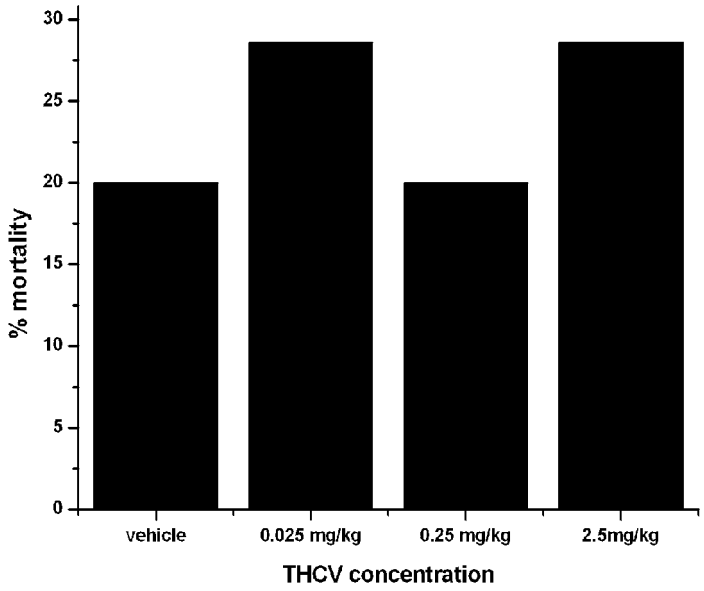

30
25
20
15
10
5
0
% mortality
vehicle
0.025 mg/kg
0.25 mg/kg
2.5mg/kg
THCV concentration

Figure 12

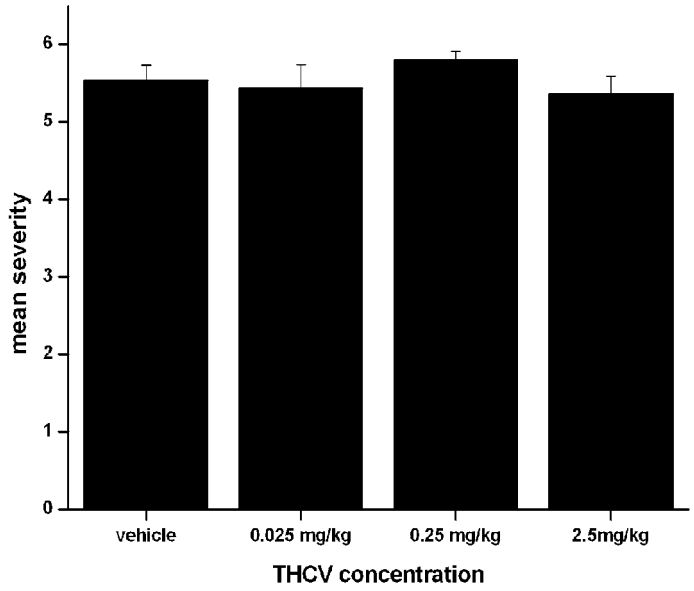
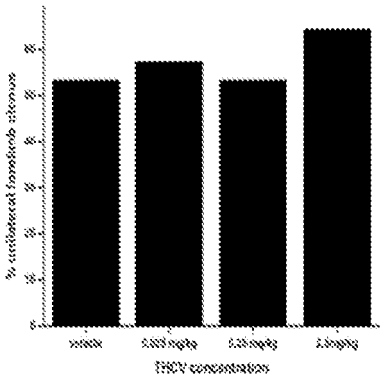
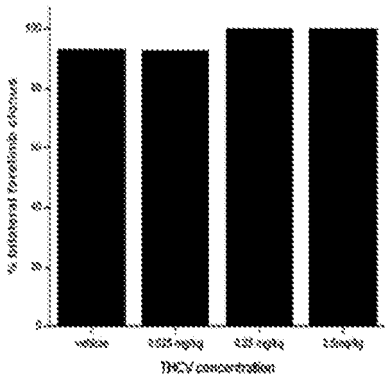

mean severity
0
1
2
3
4
5
6
vehicle
0.025 mg/kg
0.25 mg/kg
2.5mg/kg
THCV concentration

Figure 13 A-D

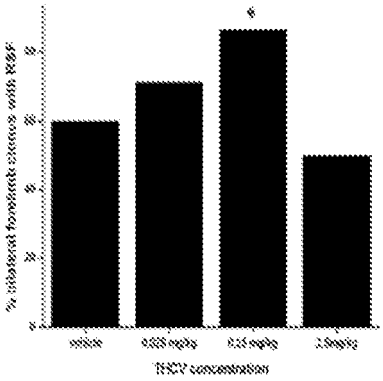
A



B



C



D

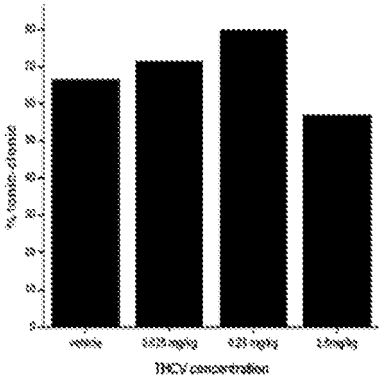


Figure 14

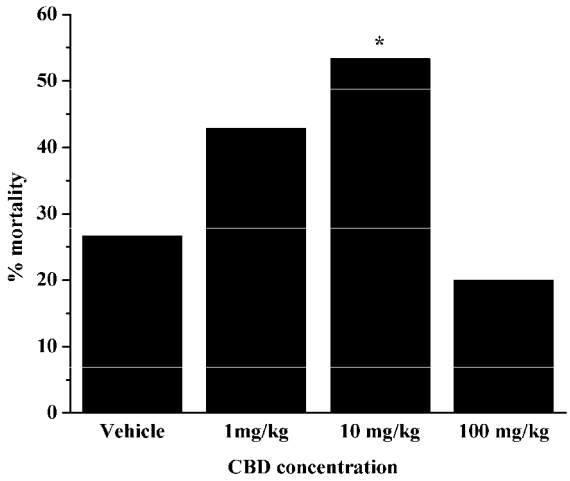

60
50
40
30
20
10
0
% mortality
*
Vehicle
1mg/kg
10 mg/kg
100 mg/kg
CBD concentration

Figure 15

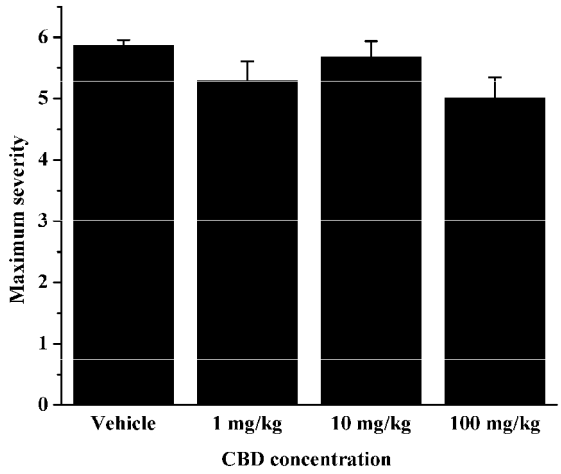
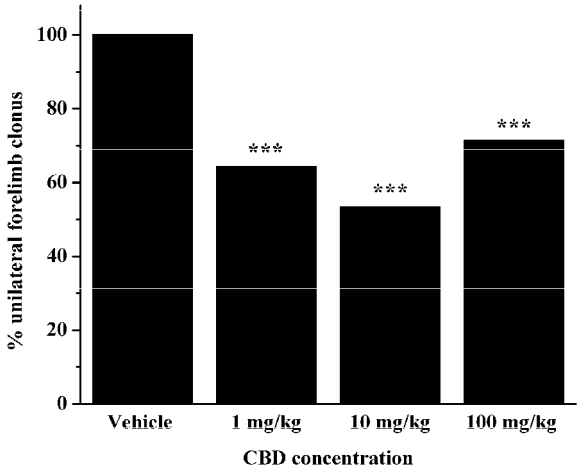
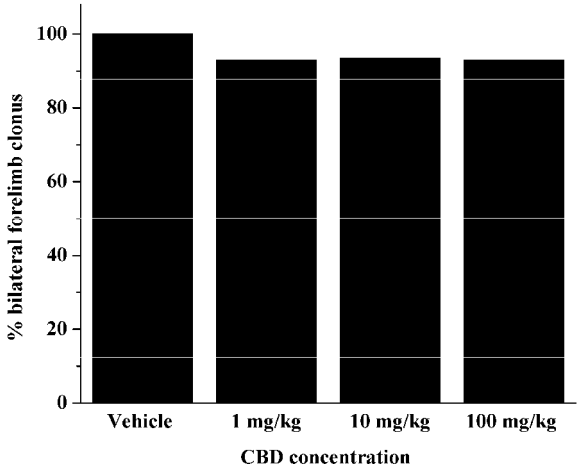

Maximum severity
0
1
2
3
4
5
6
Vehicle
1 mg/kg
10 mg/kg
100 mg/kg
CBD concentration

Figure 16 A-D

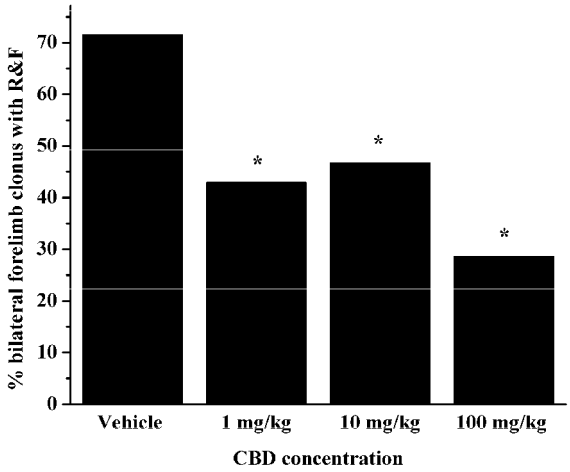
A



B



C


% bilateral forelimb clonus with R&F
0
10
20
30
40
50
60
70
*
*
*
Vehicle
1 mg/kg
10 mg/kg
100 mg/kg
CBD concentration

D

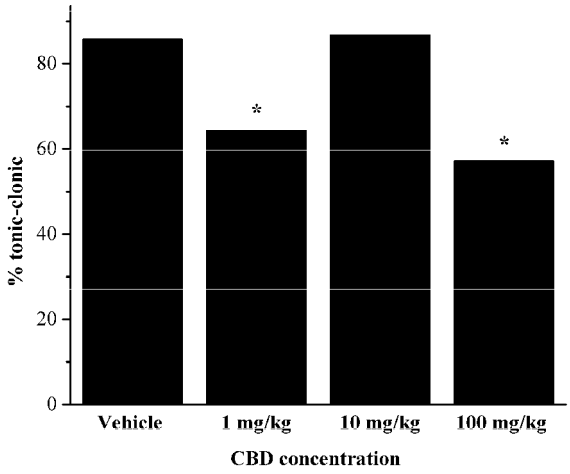

% tonic-clonic
0
20
40
60
80
*
*
Vehicle
1 mg/kg
10 mg/kg
100 mg/kg
CBD concentration

Figure 17

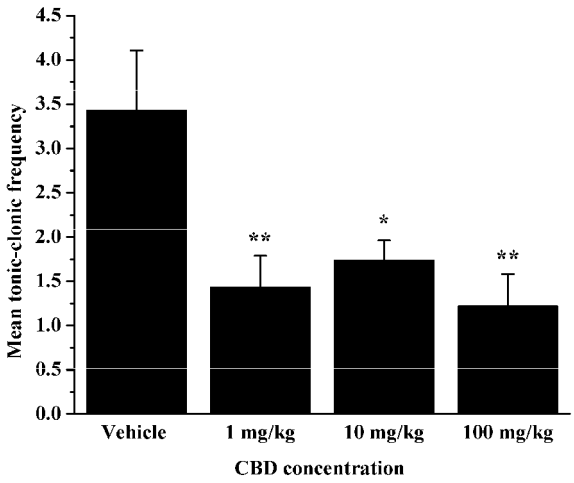

Mean tonic-clonic frequency
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
**
*
**
Vehicle
1 mg/kg
10 mg/kg
100 mg/kg
CBD concentration

Figure 18

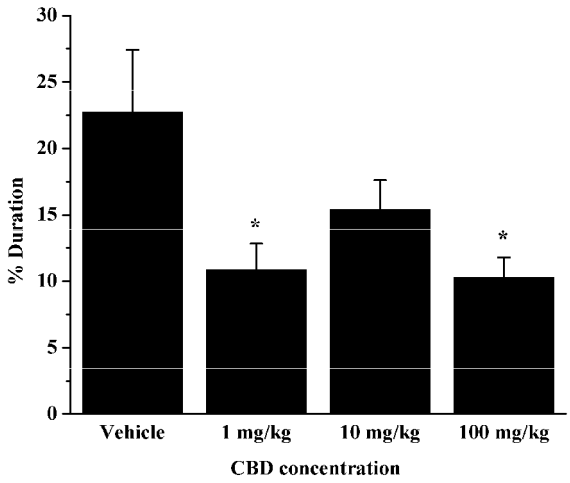

30
25
20
15
10
5
0
% Duration
*
*
Vehicle
1 mg/kg
10 mg/kg
100 mg/kg
CBD concentration

Figure 19 A-B

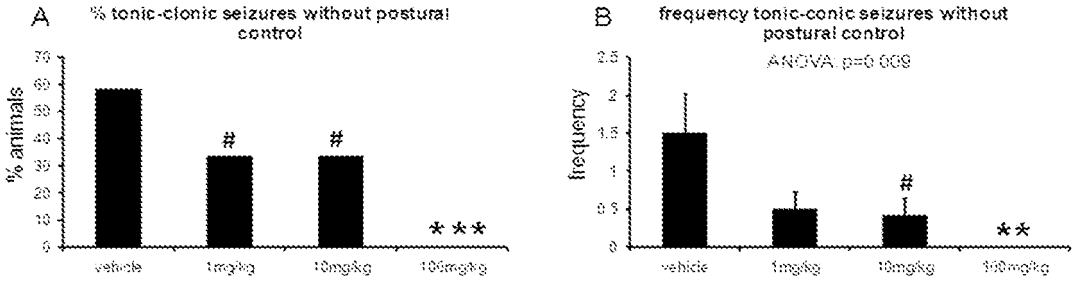
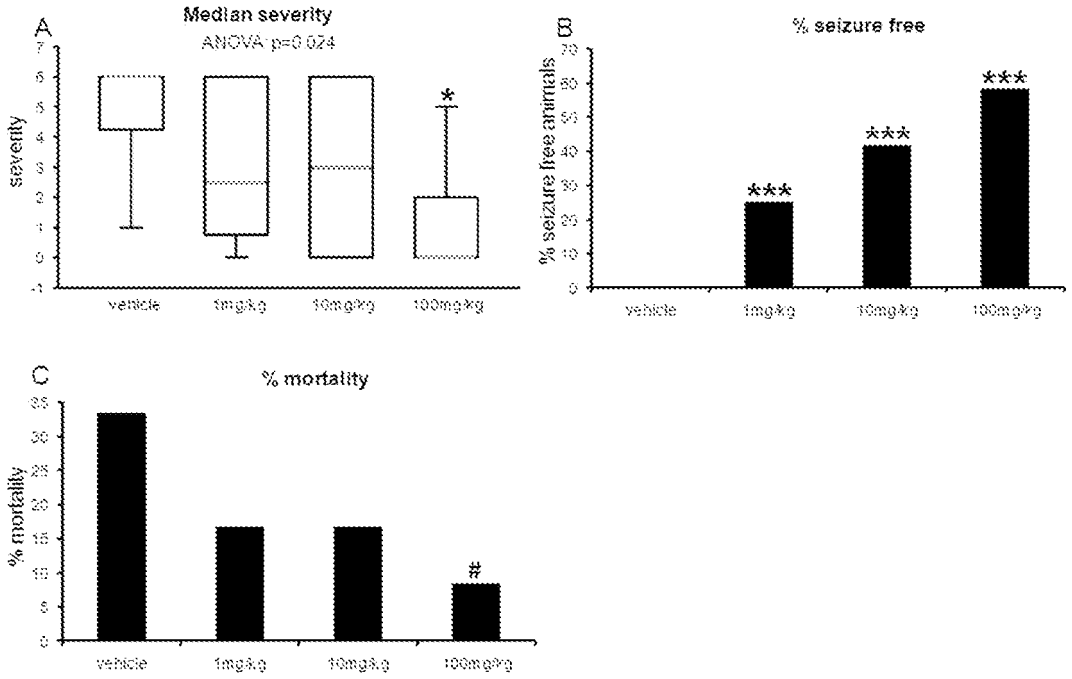

A
% tonic-clonic seizures without postural control
% animals
70
60
50
40
30
20
10
0
#
#
***
vehicle
1mg/kg
10mg/kg
100mg/kg
B
frequency tonic-conic seizures without postural control
ANOVA, p=0.009
frequency
2.5
2
1.5
1
0.5
0
#
**
vehicle
1mg/kg
10mg/kg
100mg/kg

Figure 20 A-C


A
Median severity
ANOVA p=0.024
severity
vehicle
1mg/kg
10mg/kg
100mg/kg
*
B
% seizure free
% seizure free animals
***
***
***
C
% mortality
% mortality
#