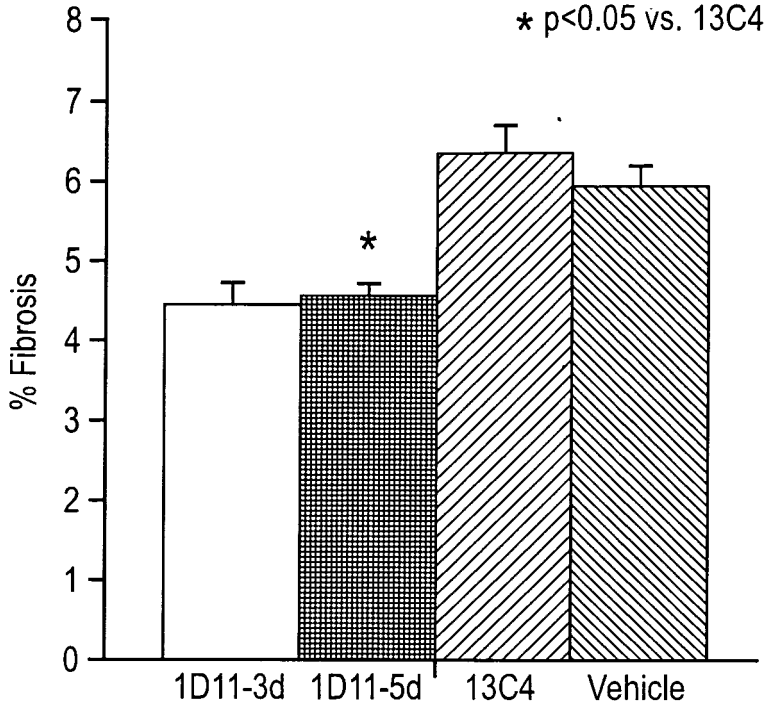

* p<0.05 vs. 13C4
% Fibrosis
0
1
2
3
4
5
6
7
8
*
1D11-3d
1D11-5d
13C4
Vehicle

FIG. 1

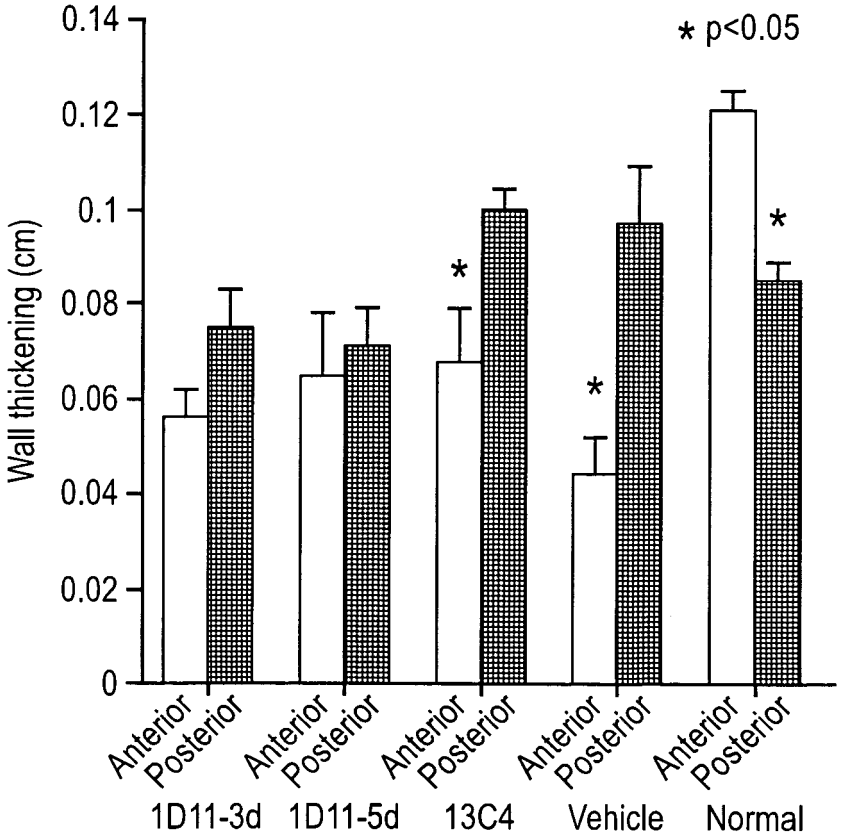

* p<0.05
Wall thickening (cm)
0
0.02
0.04
0.06
0.08
0.1
0.12
0.14
*
*
*
Anterior
Posterior
1D11-3d
1D11-5d
13C4
Vehicle
Normal

FIG. 2

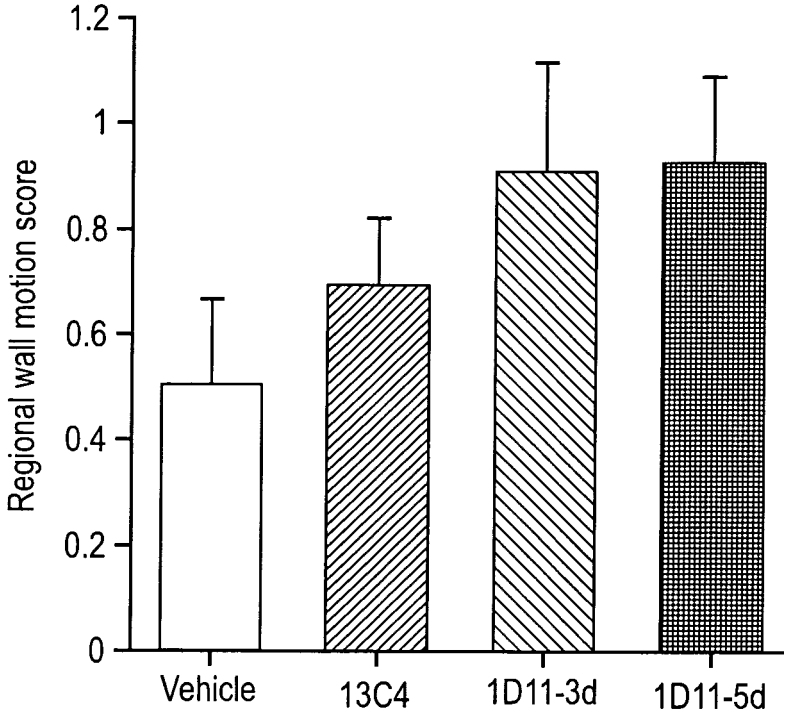

Regional wall motion score
1.2
1
0.8
0.6
0.4
0.2
0
Vehicle
13C4
1D11-3d
1D11-5d

FIG. 3

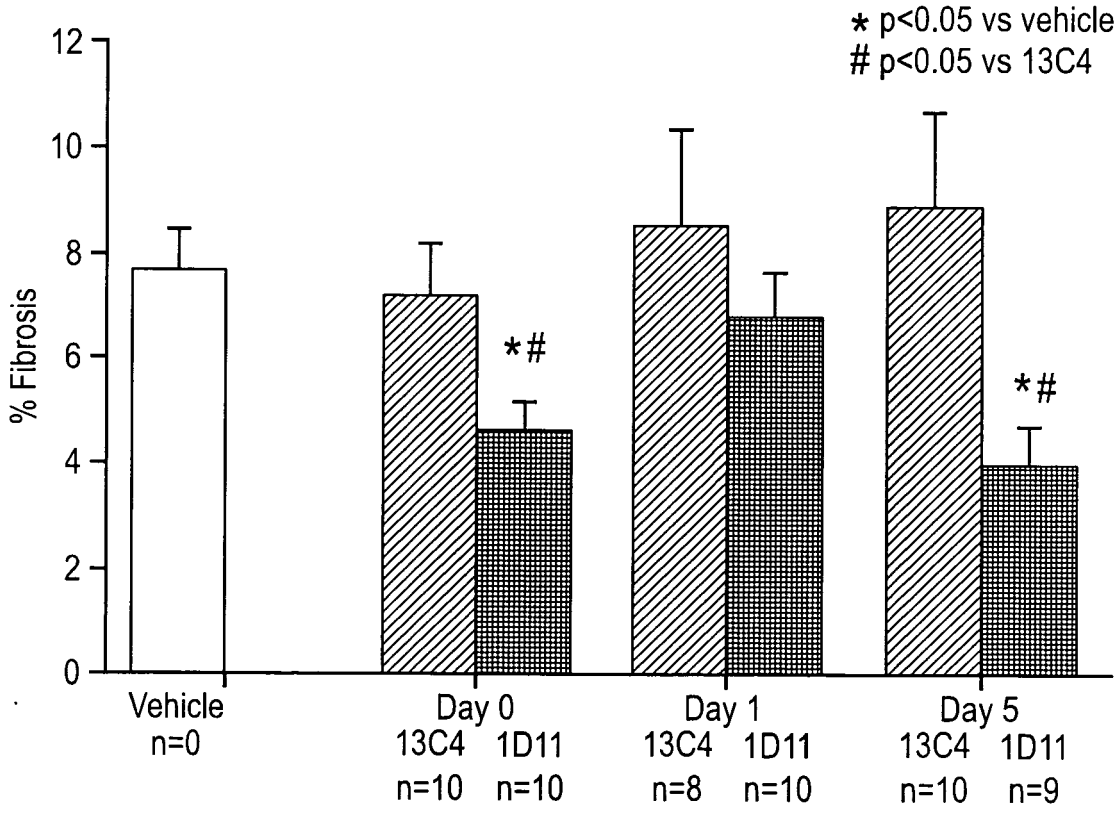

* p<0.05 vs vehicle
# p<0.05 vs 13C4
% Fibrosis
12
10
8
6
4
2
0
*#
*#
Vehicle
n=0
Day 0
13C4 1D11
n=10 n=10
Day 1
13C4 1D11
n=8 n=10
Day 5
13C4 1D11
n=10 n=9

FIG. 4

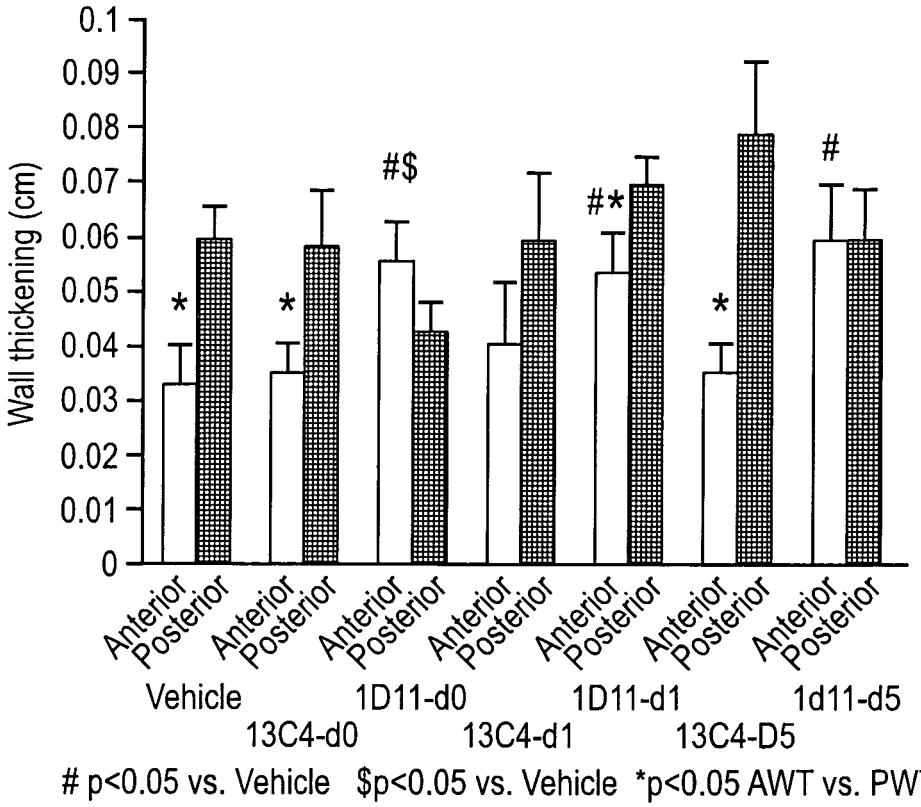

Wall thickening (cm)
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
*
*
#$
#*
*
#
Anterior
Posterior
Vehicle
1D11-d0
1D11-d1
1d11-d5
13C4-d0
13C4-d1
13C4-D5
# p<0.05 vs. Vehicle $p<0.05 vs. Vehicle *p<0.05 AWT vs. PWT

FIG. 5

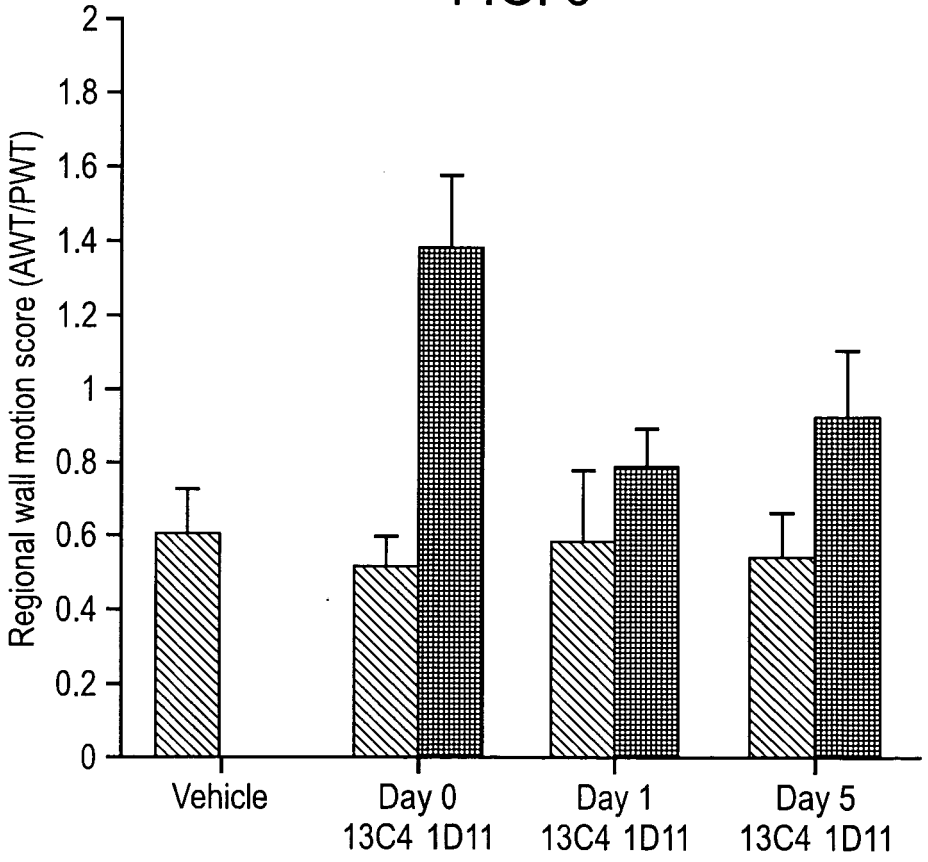

Regional wall motion score (AWT/PWT)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Vehicle
Day 0
13C4 1D11
Day 1
13C4 1D11
Day 5
13C4 1D11

FIG. 6

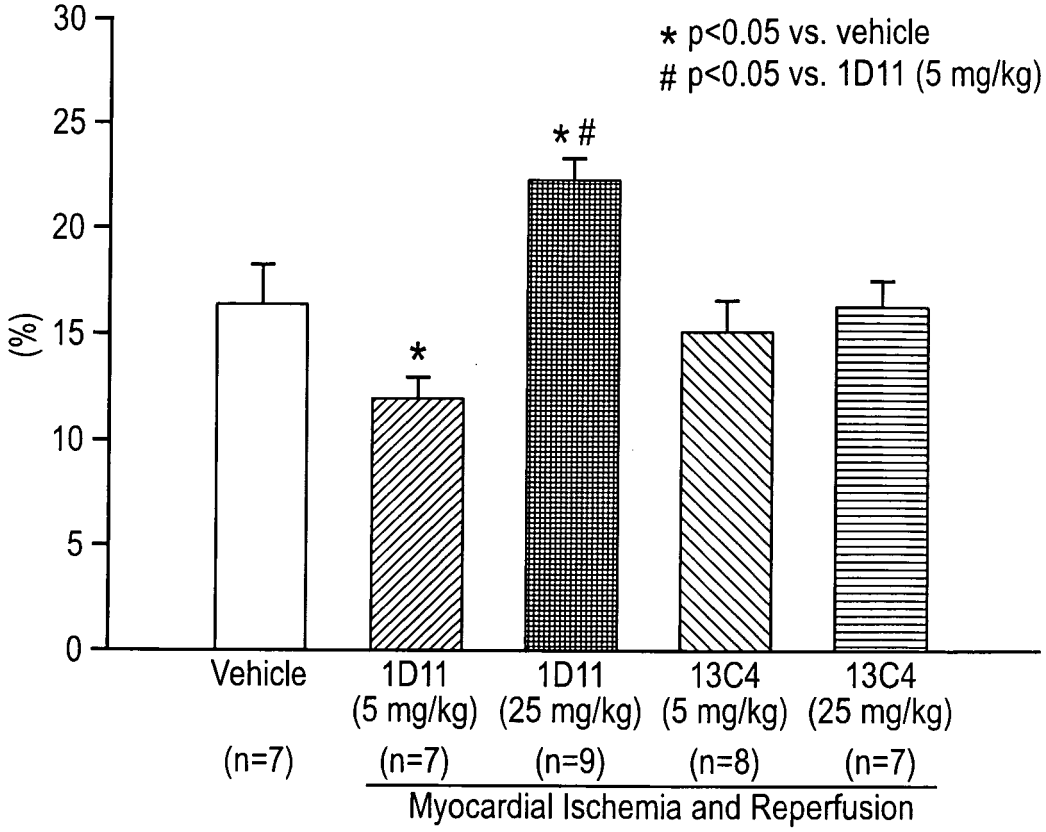

* p<0.05 vs. vehicle
# p<0.05 vs. 1D11 (5 mg/kg)
(%)
30
25
20
15
10
5
0
*
*#
Vehicle
1D11 (5 mg/kg)
1D11 (25 mg/kg)
13C4 (5 mg/kg)
13C4 (25 mg/kg)
(n=7)
(n=7)
(n=9)
(n=8)
(n=7)
Myocardial Ischemia and Reperfusion

FIG. 7

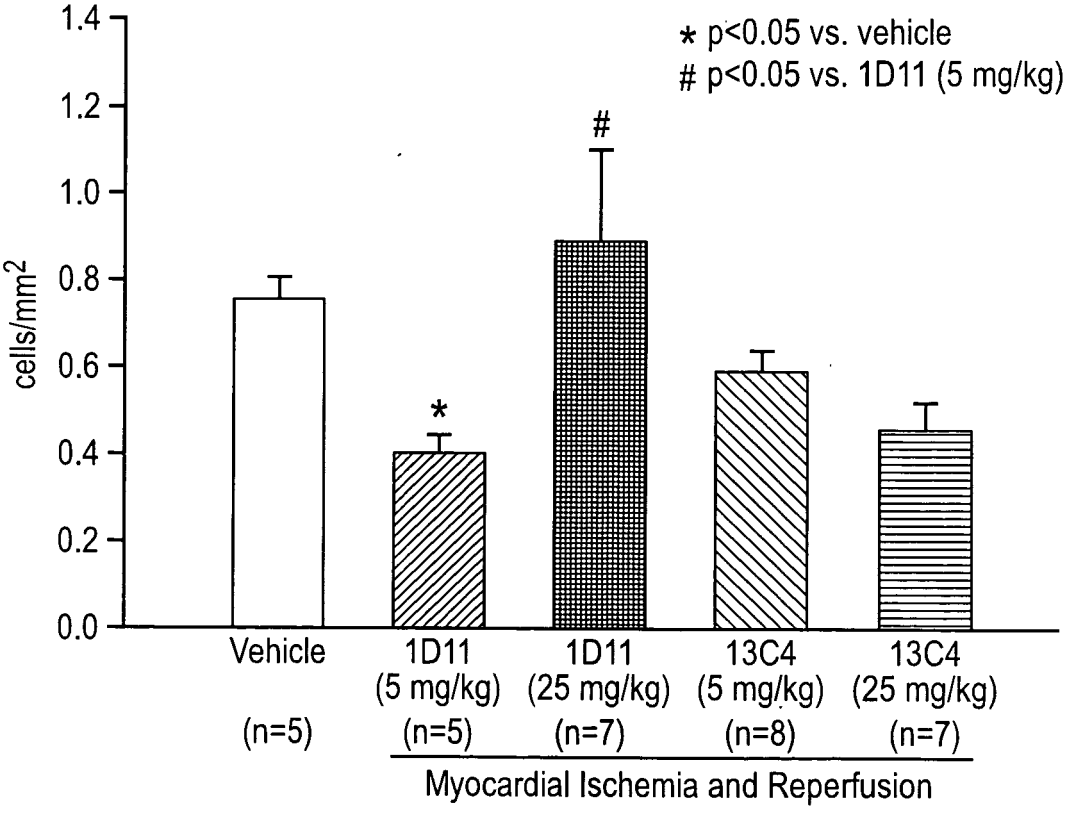

* p<0.05 vs. vehicle
# p<0.05 vs. 1D11 (5 mg/kg)
cells/mm2
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
*
#
Vehicle
1D11 (5 mg/kg)
1D11 (25 mg/kg)
13C4 (5 mg/kg)
13C4 (25 mg/kg)
(n=5)
(n=5)
(n=7)
(n=8)
(n=7)
Myocardial Ischemia and Reperfusion

FIG. 8

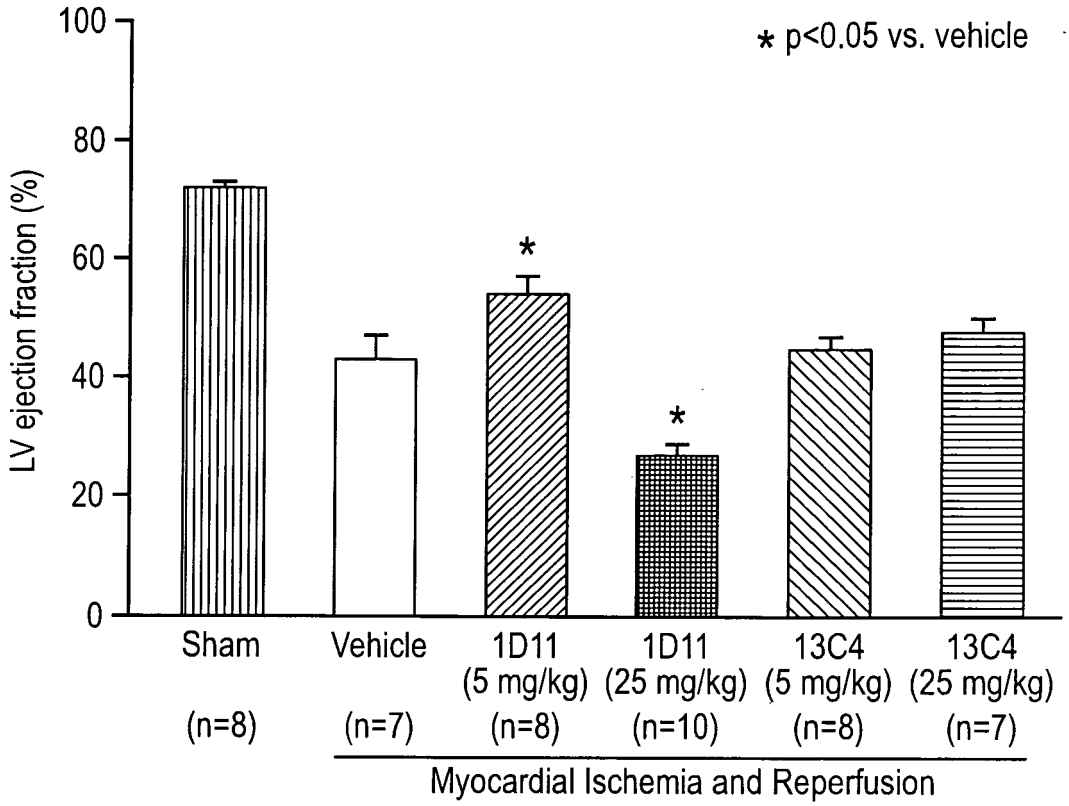

* p<0.05 vs. vehicle
LV ejection fraction (%)
100
80
60
40
20
0
*
*
Sham
(n=8)
Vehicle
(n=7)
1D11
(5 mg/kg)
(n=8)
1D11
(25 mg/kg)
(n=10)
13C4
(5 mg/kg)
(n=8)
13C4
(25 mg/kg)
(n=7)
Myocardial Ischemia and Reperfusion

FIG. 9

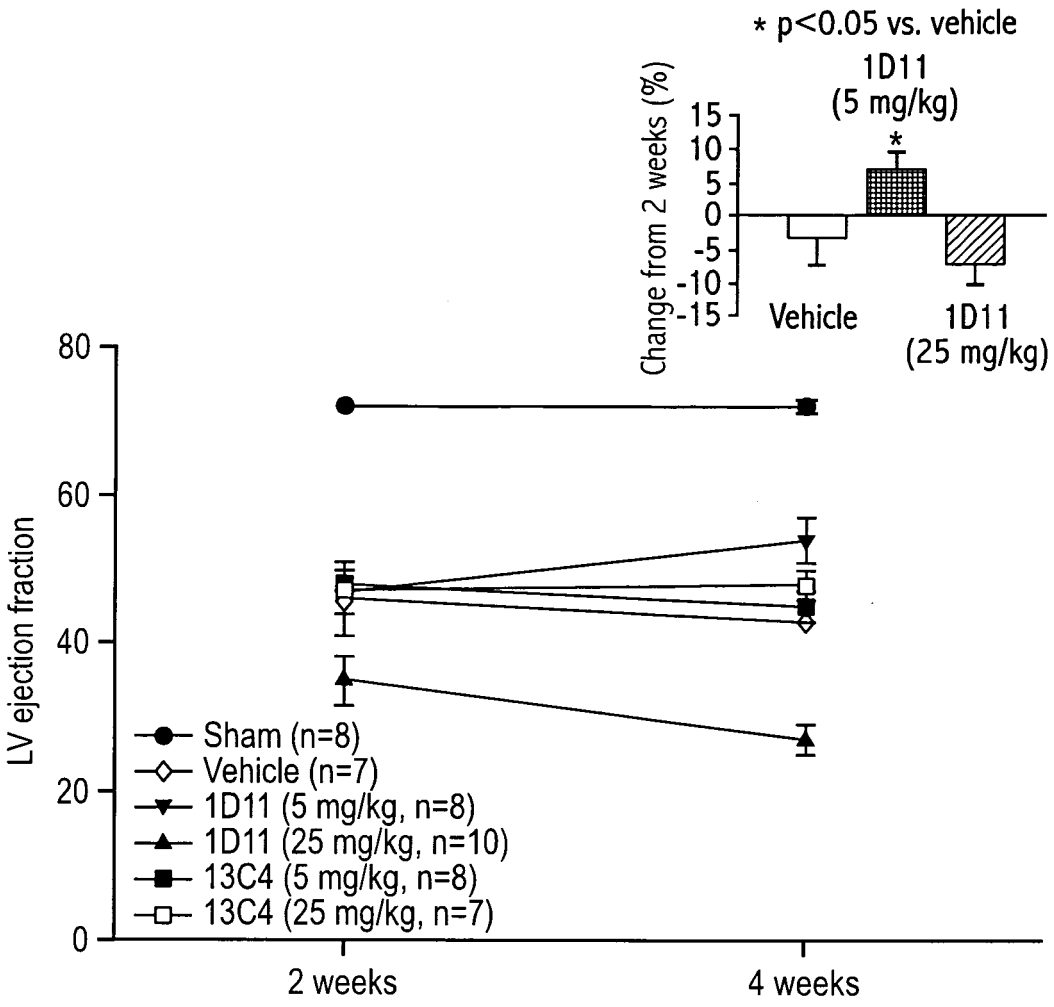

* p<0.05 vs. vehicle
1D11
(5 mg/kg)
*
Change from 2 weeks (%)
15
10
5
0
-5
-10
-15
Vehicle
1D11
(25 mg/kg)
LV ejection fraction
80
60
40
20
0
Sham (n=8)
Vehicle (n=7)
1D11 (5 mg/kg, n=8)
1D11 (25 mg/kg, n=10)
13C4 (5 mg/kg, n=8)
13C4 (25 mg/kg, n=7)
2 weeks
4 weeks

FIG. 10

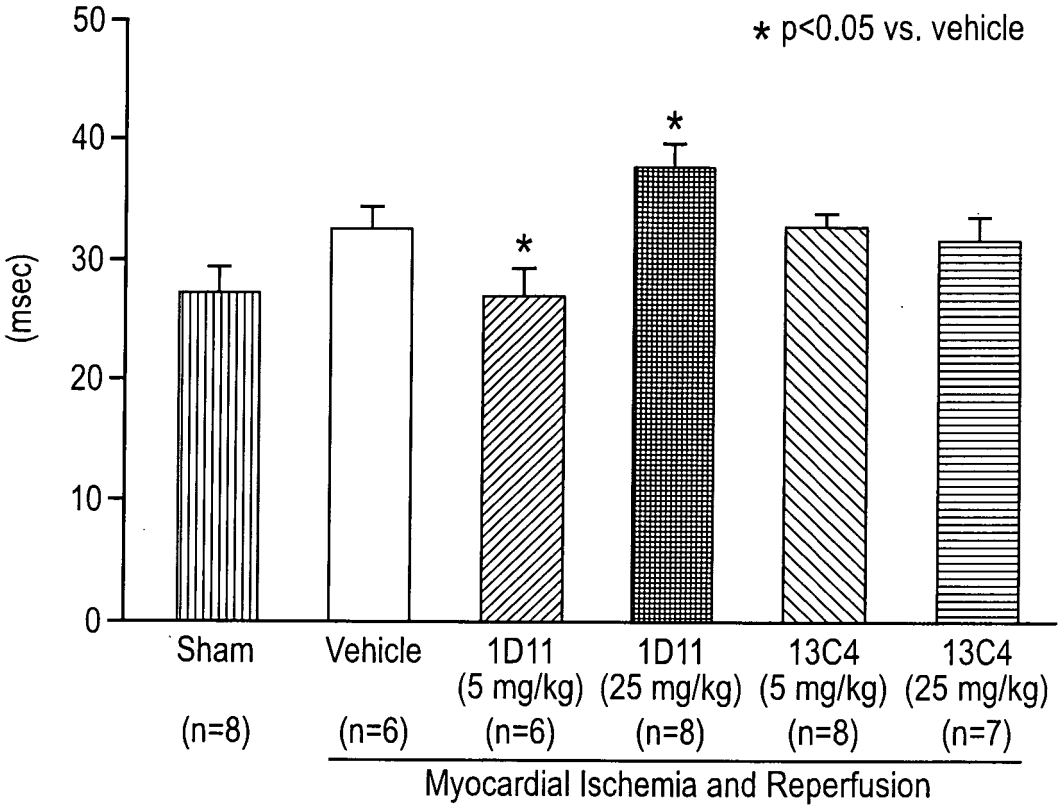

* p<0.05 vs. vehicle
(msec)
50
40
30
20
10
0
Sham
Vehicle
1D11 (5 mg/kg)
1D11 (25 mg/kg)
13C4 (5 mg/kg)
13C4 (25 mg/kg)
(n=8)
(n=6)
(n=6)
(n=8)
(n=8)
(n=7)
Myocardial Ischemia and Reperfusion

FIG. 11

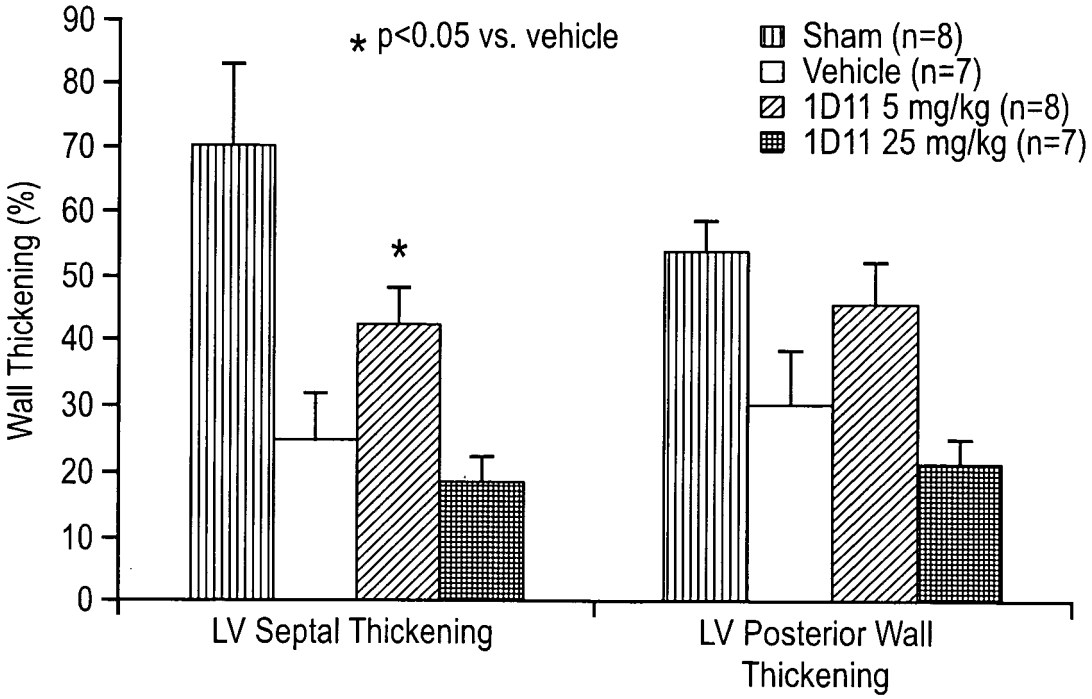

* p<0.05 vs. vehicle
Sham (n=8)
Vehicle (n=7)
1D11 5 mg/kg (n=8)
1D11 25 mg/kg (n=7)
Wall Thickening (%)
90
80
70
60
50
40
30
20
10
0
LV Septal Thickening
LV Posterior Wall Thickening

FIG. 12

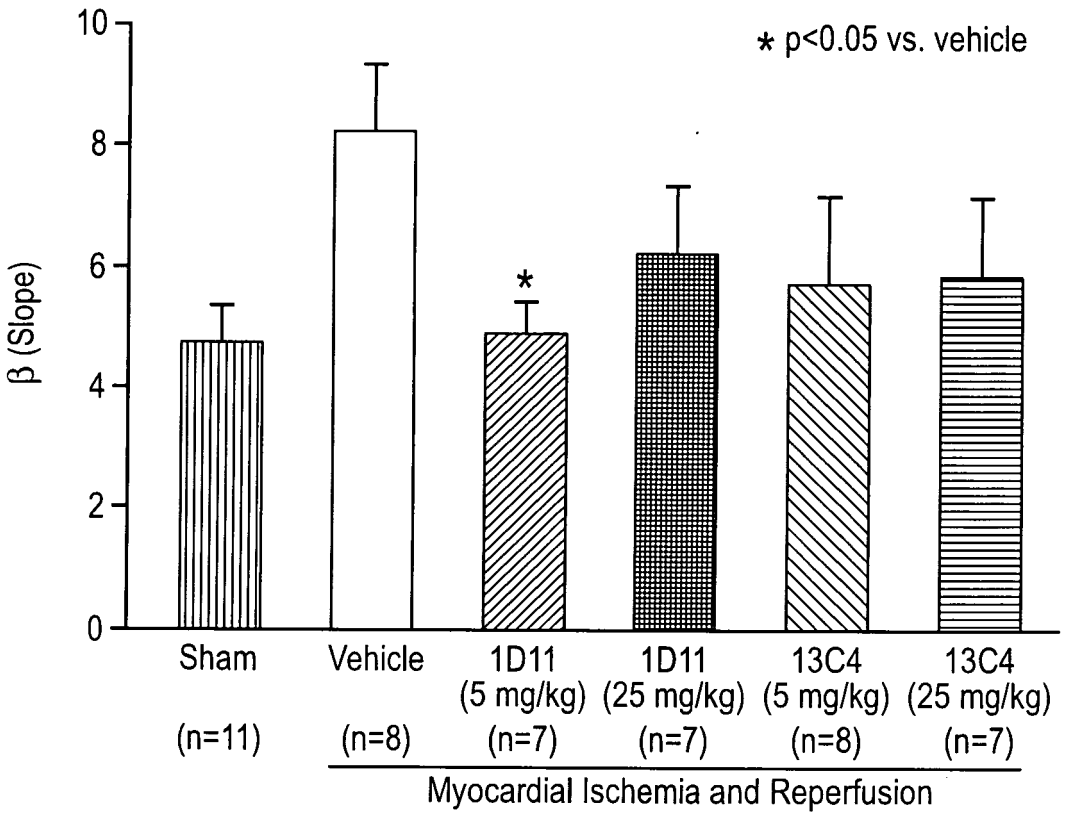

* p<0.05 vs. vehicle
β (Slope)
10
8
6
4
2
0
*
Sham
(n=11)
Vehicle
(n=8)
1D11
(5 mg/kg)
(n=7)
1D11
(25 mg/kg)
(n=7)
13C4
(5 mg/kg)
(n=8)
13C4
(25 mg/kg)
(n=7)
Myocardial Ischemia and Reperfusion

FIG. 13

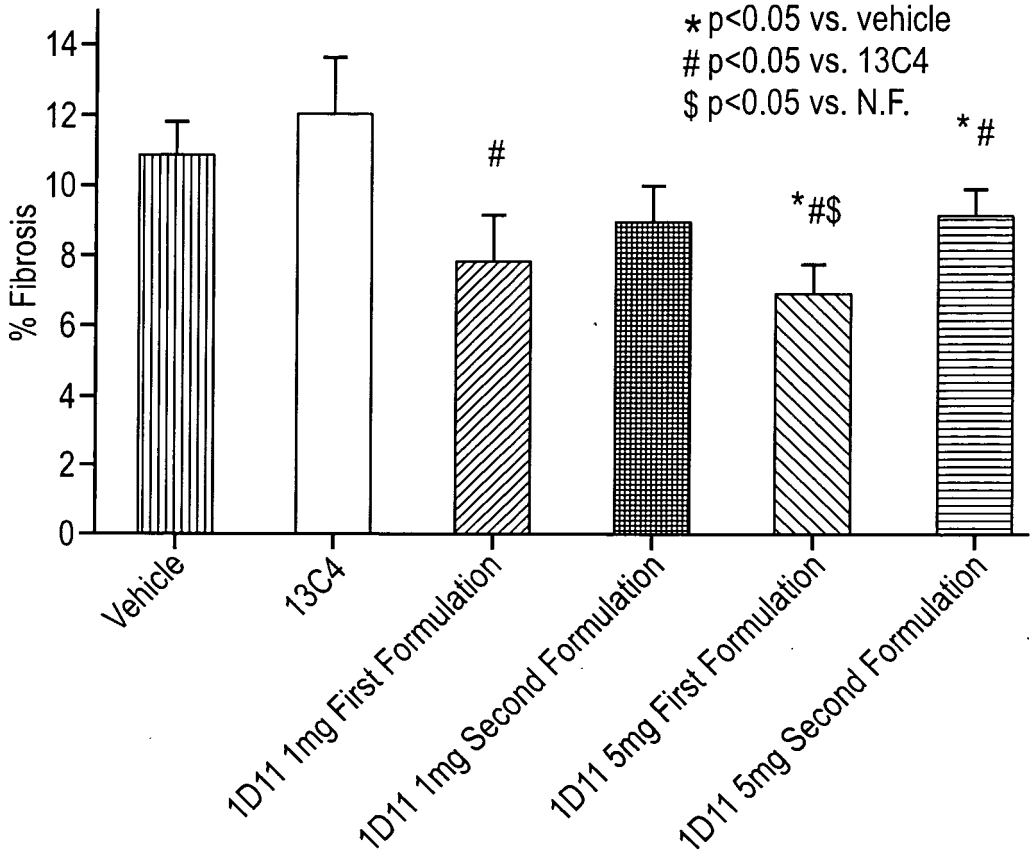

* p<0.05 vs. vehicle
# p<0.05 vs. 13C4
$ p<0.05 vs. N.F.
% Fibrosis
0
2
4
6
8
10
12
14
#
*#$
*#
Vehicle
13C4
1D11 1mg First Formulation
1D11 1mg Second Formulation
1D11 5mg First Formulation
1D11 5mg Second Formulation

FIG. 14

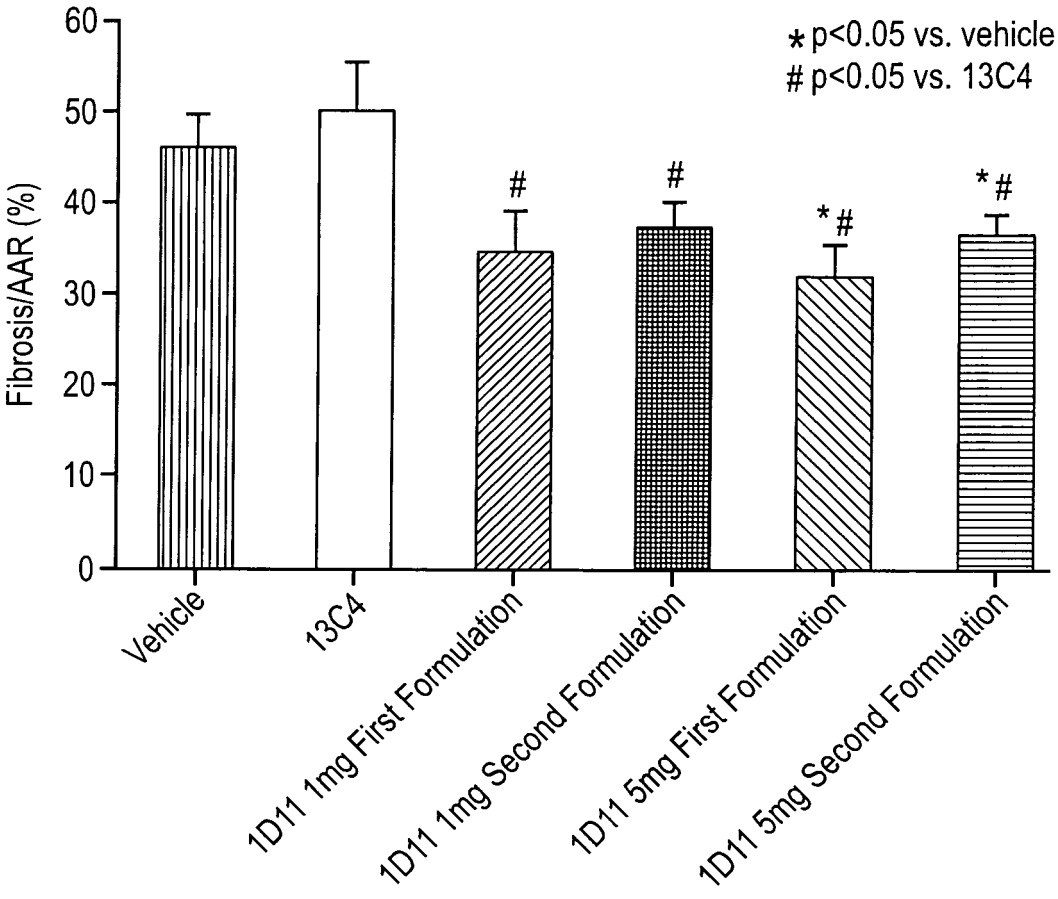

* p<0.05 vs. vehicle
# p<0.05 vs. 13C4
Fibrosis/AAR (%)
60
50
40
30
20
10
0
#
#
*#
*#
Vehicle
13C4
1D11 1mg First Formulation
1D11 1mg Second Formulation
1D11 5mg First Formulation
1D11 5mg Second Formulation

FIG. 15

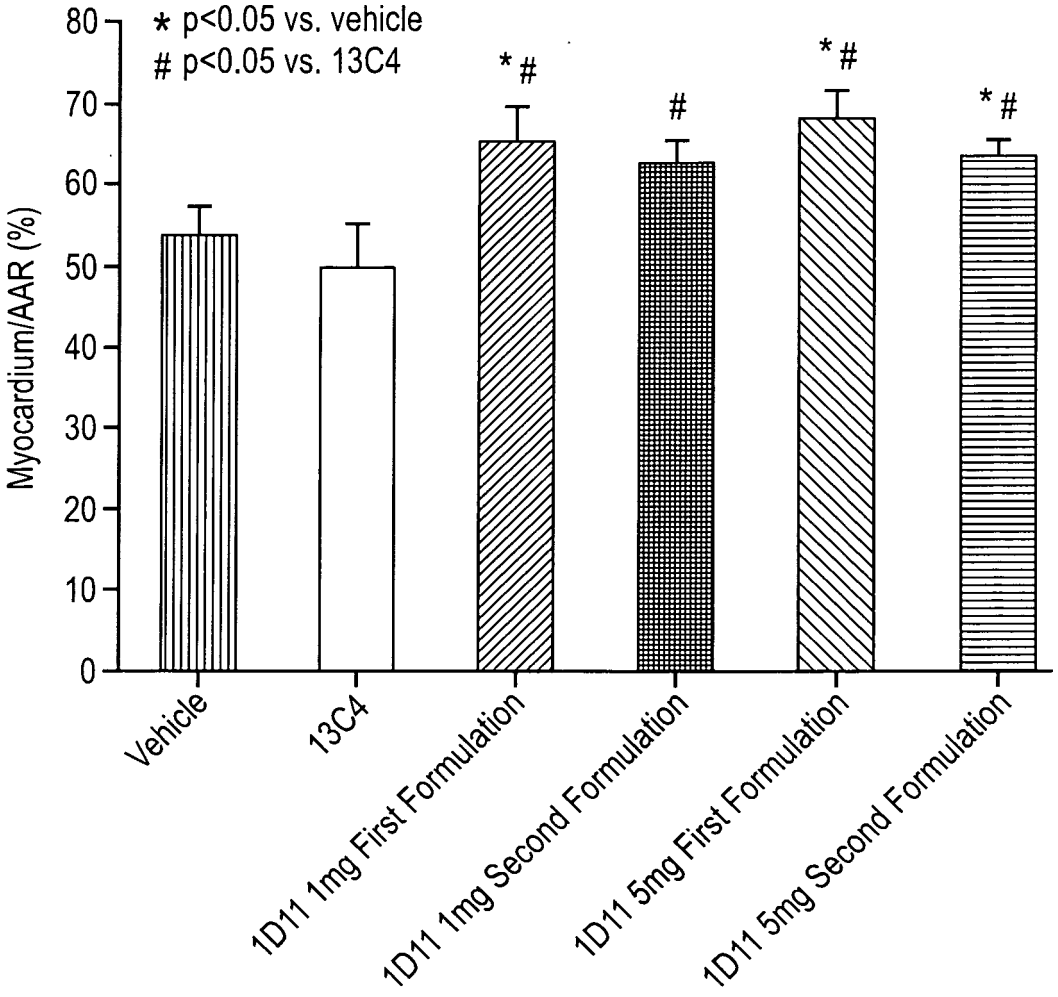

* p<0.05 vs. vehicle
# p<0.05 vs. 13C4
Myocardium/AAR (%)
80
70
60
50
40
30
20
10
0
*#
#
*#
*#
Vehicle
13C4
1D11 1mg First Formulation
1D11 1mg Second Formulation
1D11 5mg First Formulation
1D11 5mg Second Formulation

FIG. 16

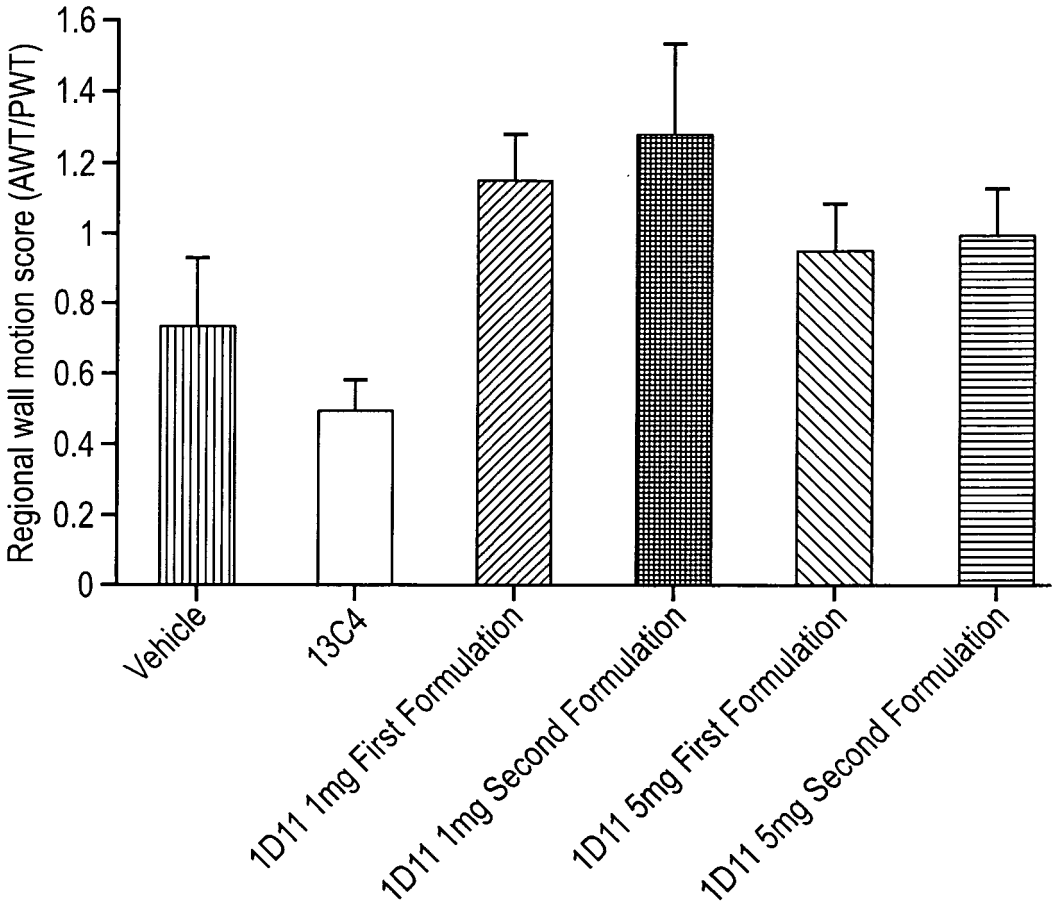

Regional wall motion score (AWT/PWT)
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Vehicle
13C4
1D11 1mg First Formulation
1D11 1mg Second Formulation
1D11 5mg First Formulation
1D11 5mg Second Formulation

FIG. 17

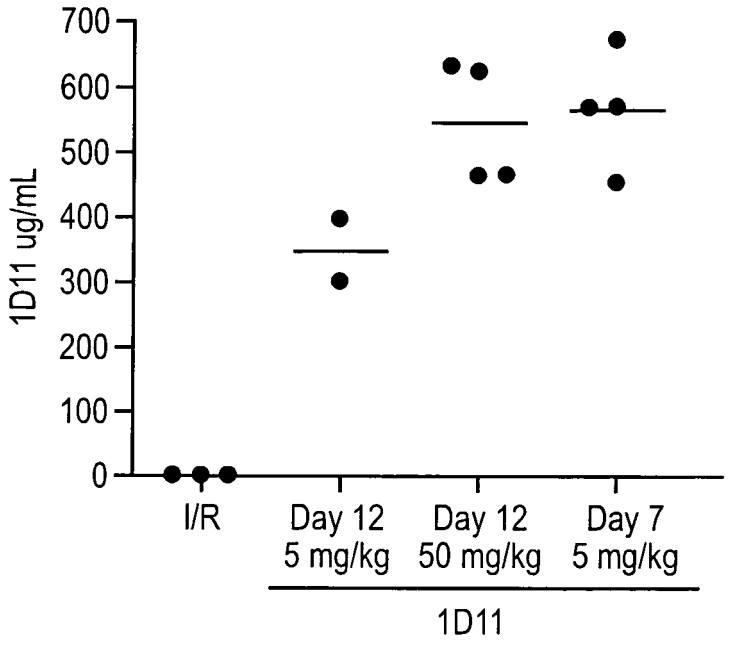

700
600
500
400
300
200
100
0
1D11 ug/mL
I/R
Day 12
5 mg/kg
Day 12
50 mg/kg
Day 7
5 mg/kg
1D11

FIG. 18

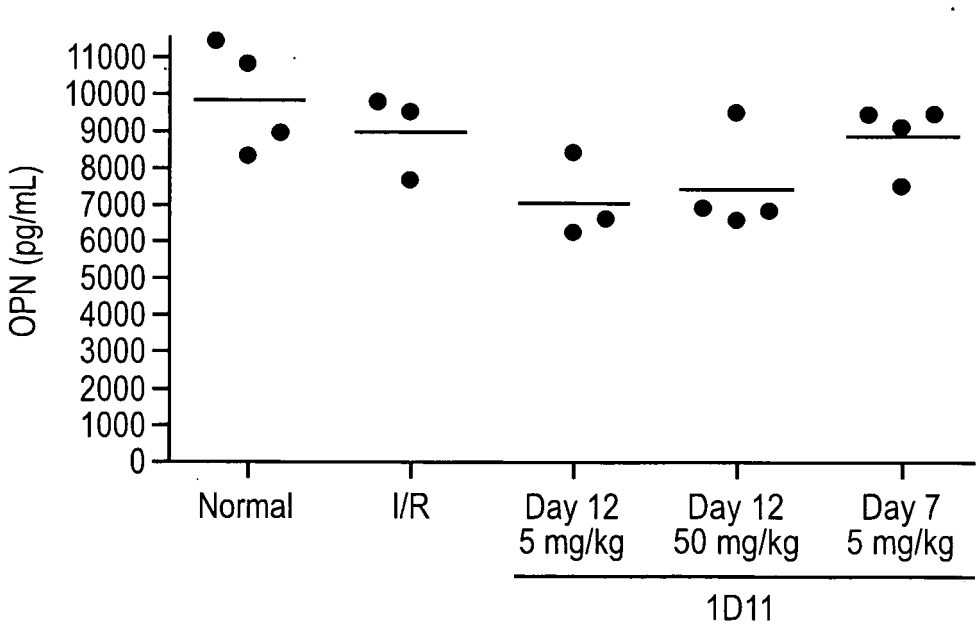

11000
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
OPN (pg/mL)
Normal
I/R
Day 12
5 mg/kg
Day 12
50 mg/kg
Day 7
5 mg/kg
1D11

FIG. 19

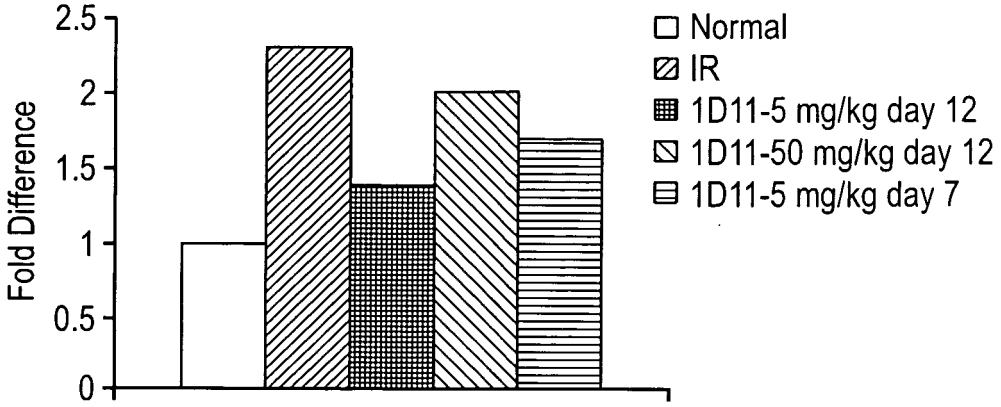


FIG. 20

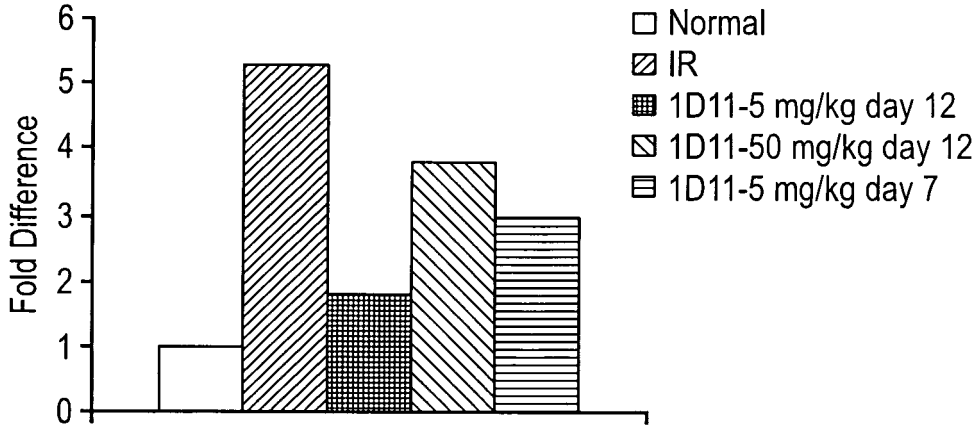


FIG. 21

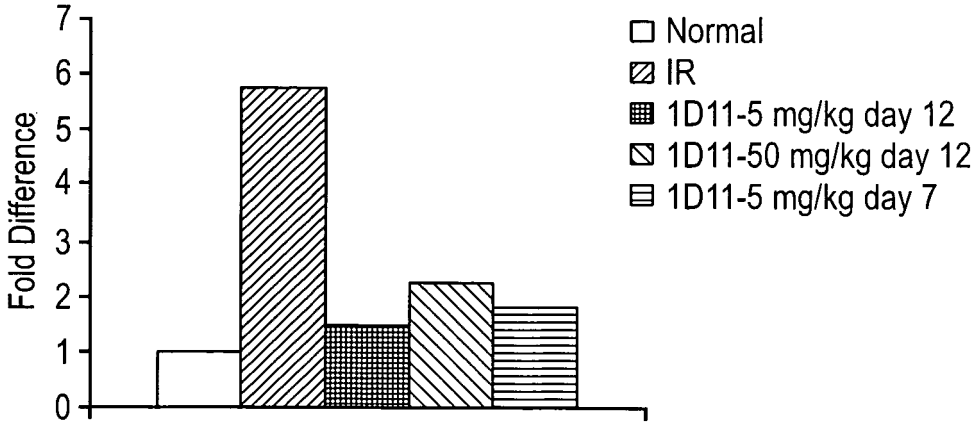


FIG. 22

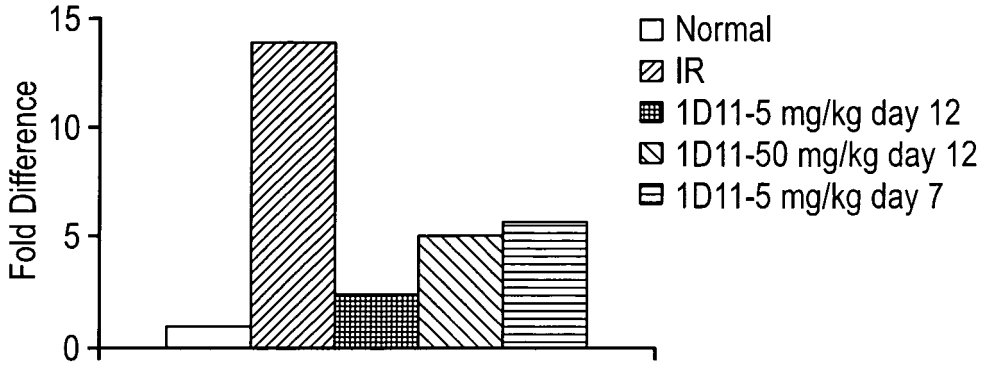


FIG. 23

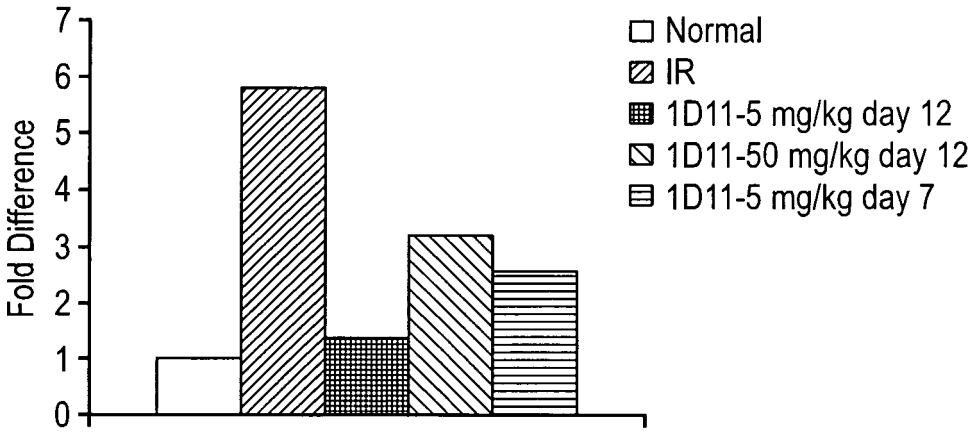


FIG. 24

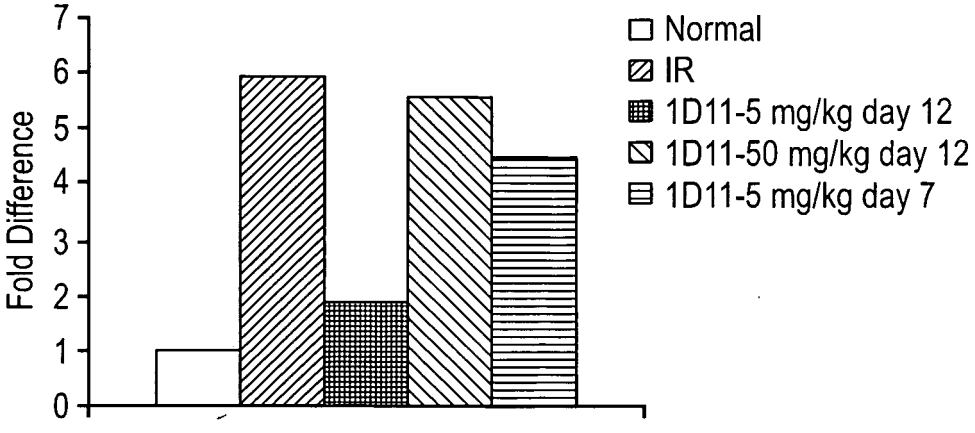


FIG. 25

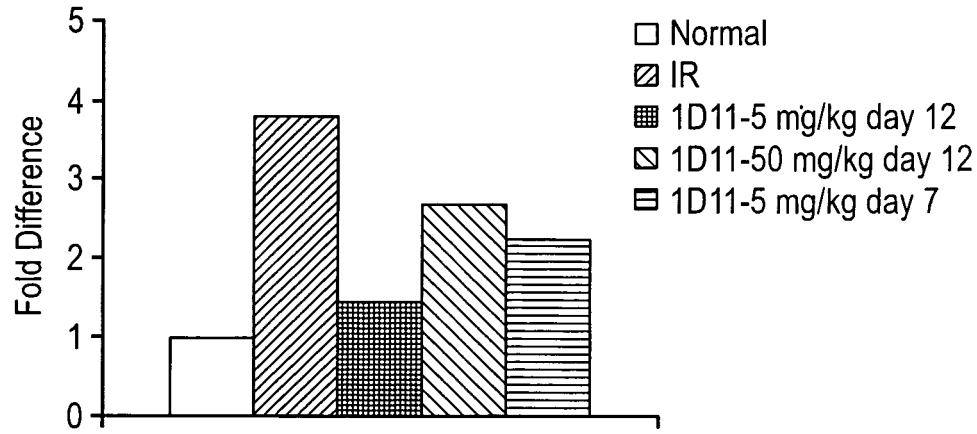


FIG. 26

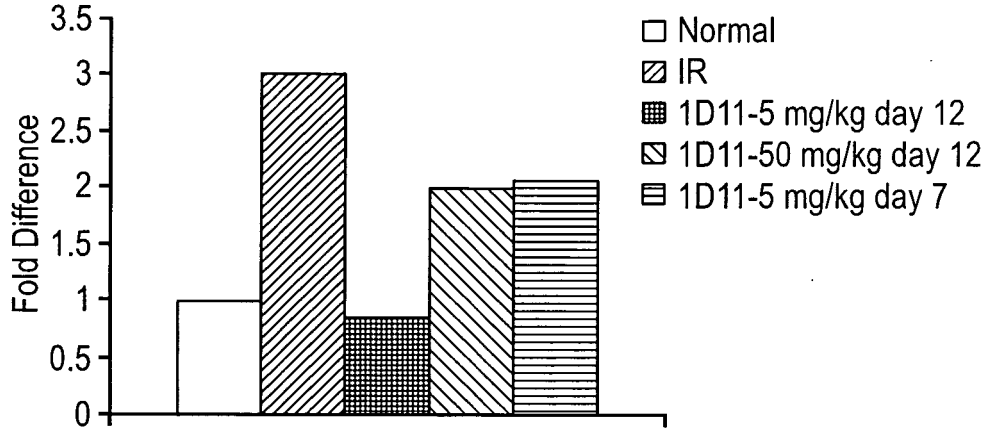


FIG. 27

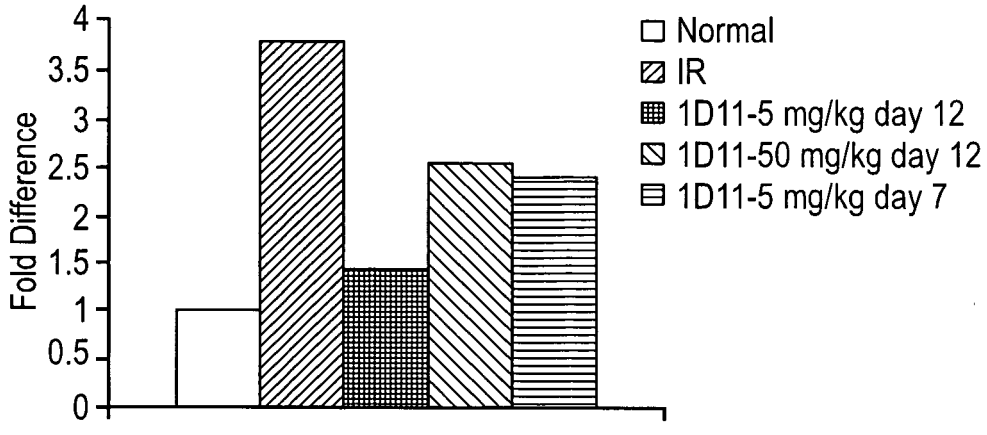


FIG. 28

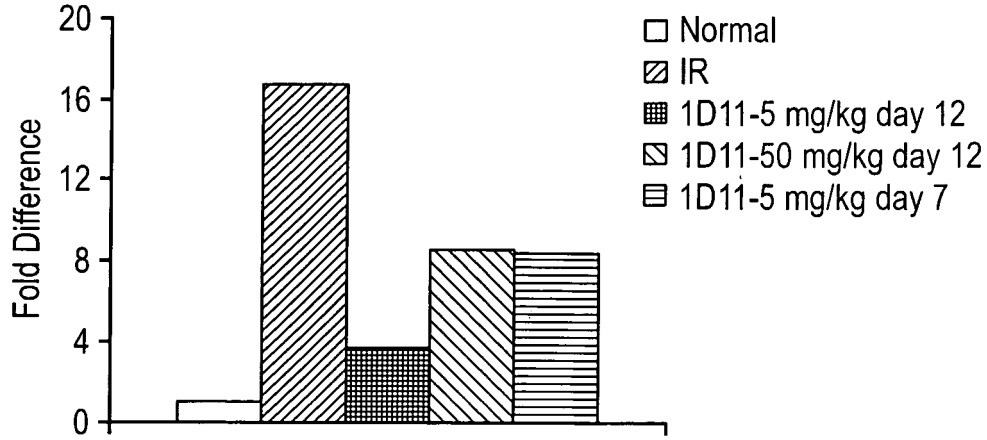

Fold Difference
20
16
12
8
4
0
Normal
IR
1D11-5 mg/kg day 12
1D11-50 mg/kg day 12
1D11-5 mg/kg day 7

FIG. 29

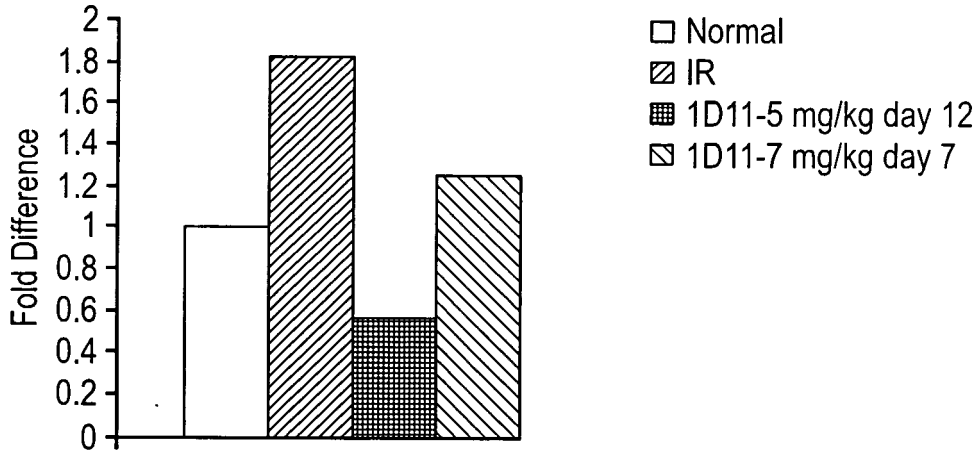

Fold Difference
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Normal
IR
1D11-5 mg/kg day 12
1D11-7 mg/kg day 7

FIG. 30