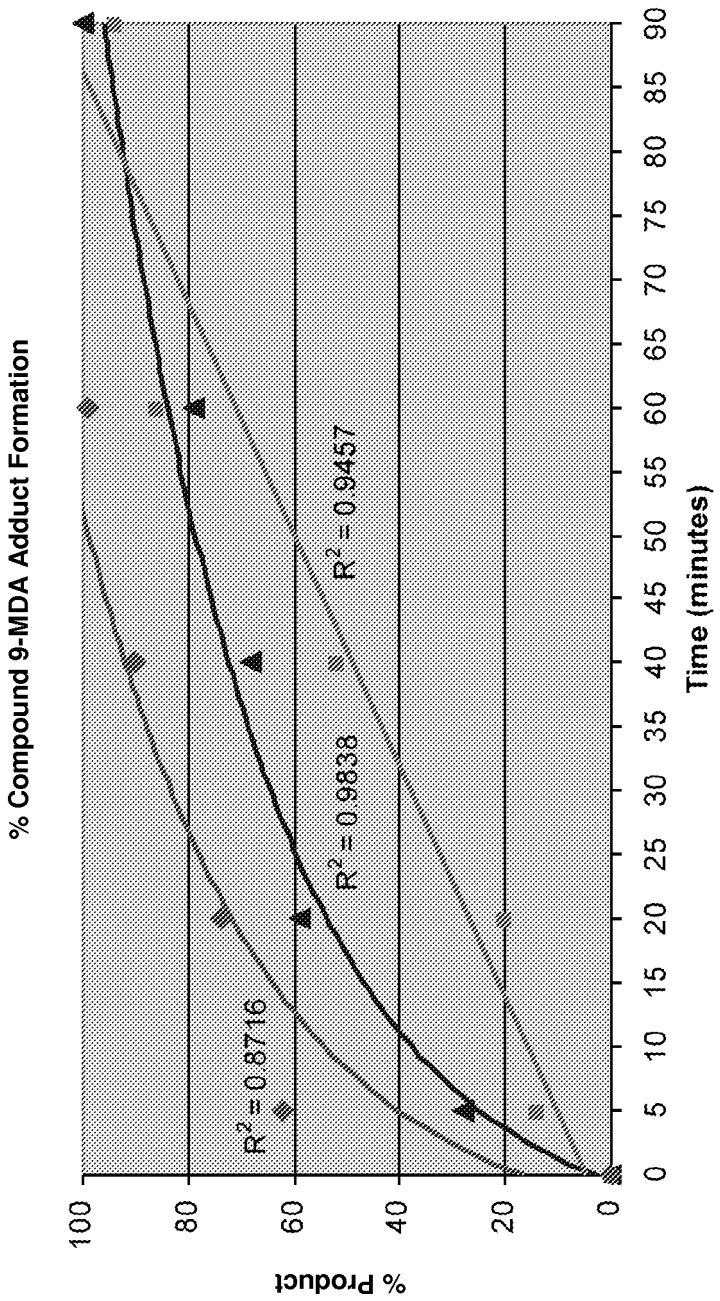
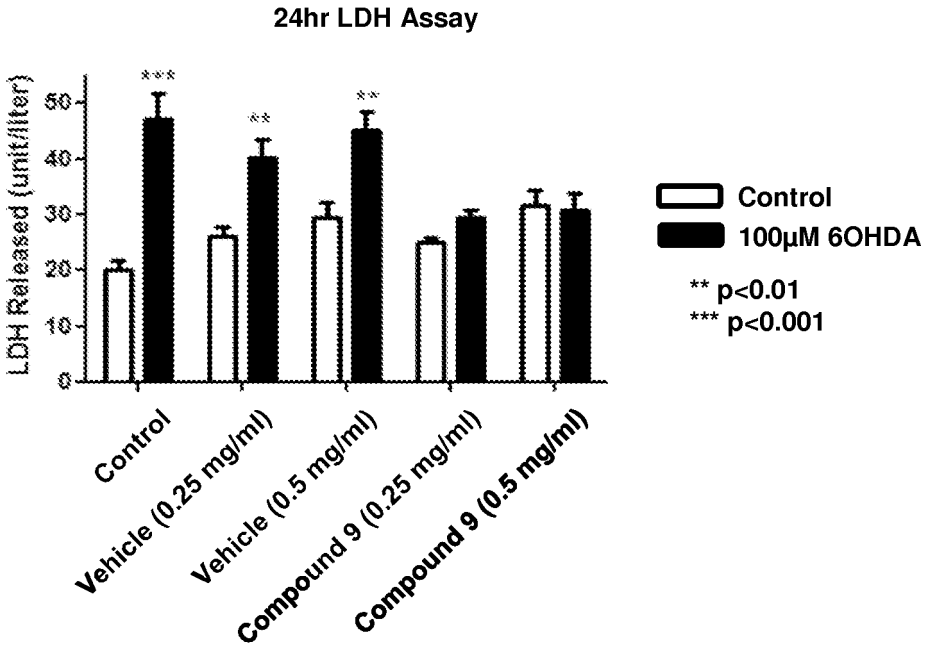

% Compound 9-MDA Adduct Formation
% Product
Time (minutes)
0
20
40
60
80
100
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90
R2 = 0.8716
R2 = 0.9838
R2 = 0.9457
Compound 9-MDA + 1 eq HCl
Compound 9-MDA, lipid study
Compound 9-HNE

Figure 1

A


24hr LDH Assay
LDH Released (unit/liter)
0
10
20
30
40
50
***
**
**
Control
100μM 6OHDA
** p<0.01
*** p<0.001
Control
Vehicle (0.25 mg/ml)
Vehicle (0.5 mg/ml)
Compound 9 (0.25 mg/ml)
Compound 9 (0.5 mg/ml)

B

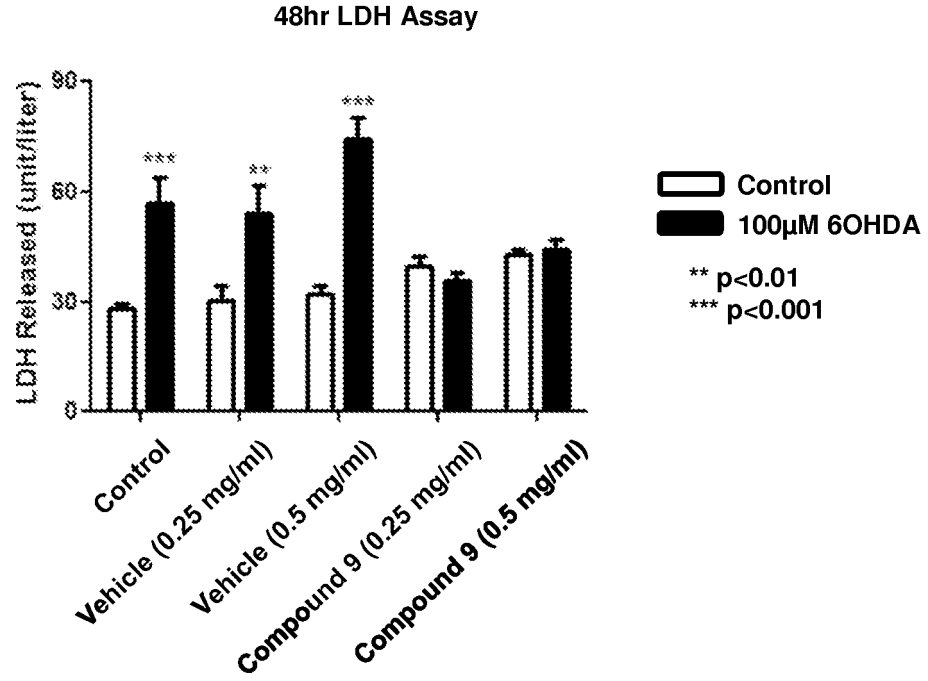

48hr LDH Assay
LDH Released (unit/liter)
0
30
60
90
***
**
***
Control
100μM 6OHDA
** p<0.01
*** p<0.001
Control
Vehicle (0.25 mg/ml)
Vehicle (0.5 mg/ml)
Compound 9 (0.25 mg/ml)
Compound 9 (0.5 mg/ml)

Figure 2

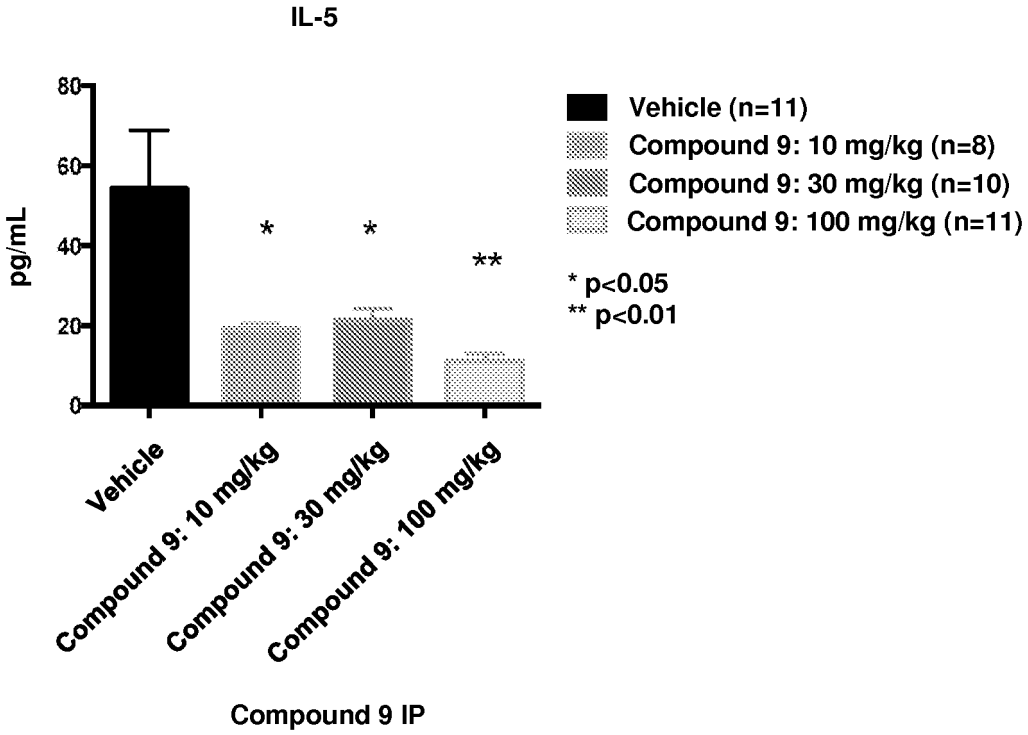
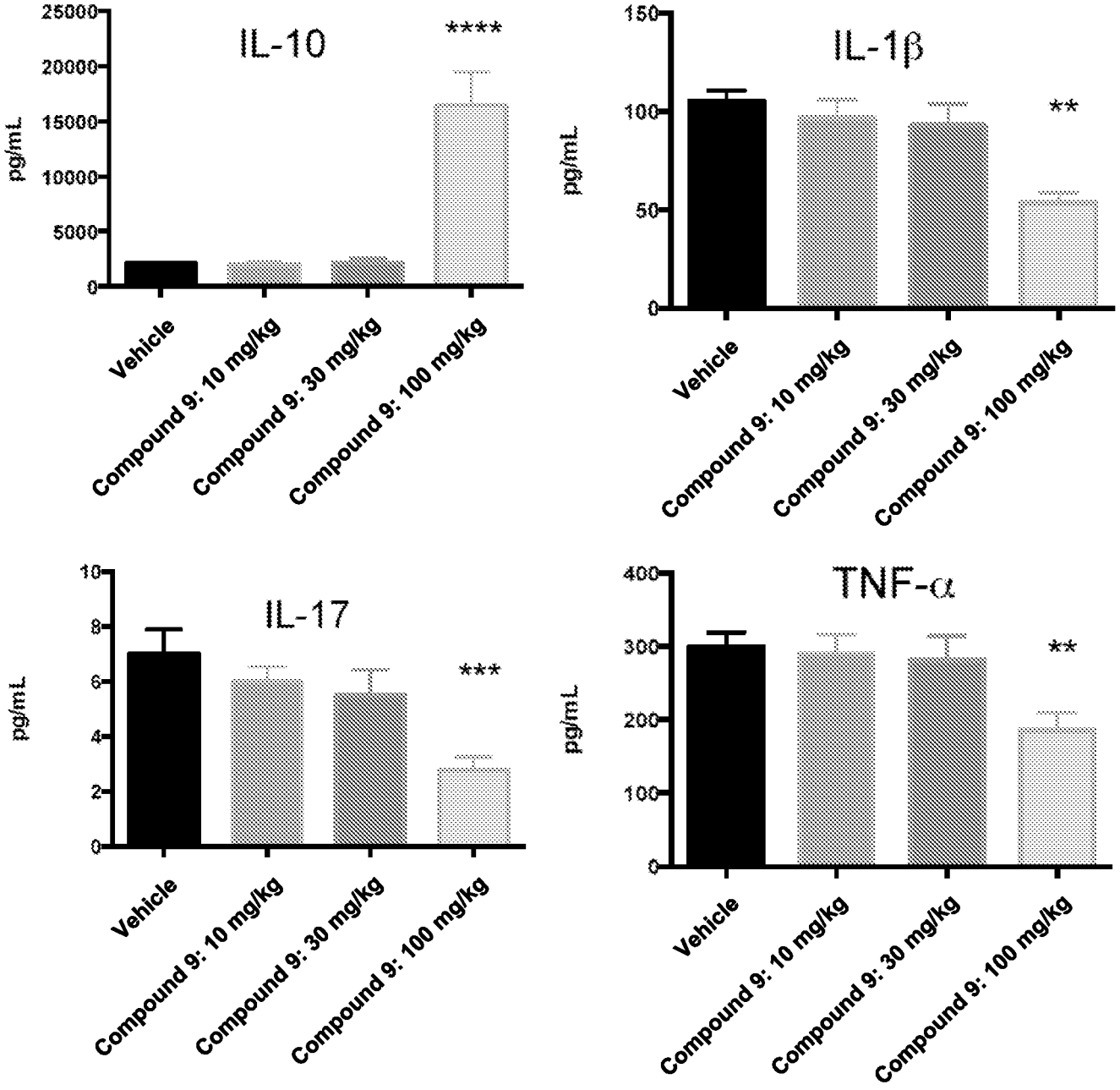

IL-5
pg/mL
80
60
40
20
0
*
*
**
Vehicle
Compound 9: 10 mg/kg
Compound 9: 30 mg/kg
Compound 9: 100 mg/kg
Vehicle (n=11)
Compound 9: 10 mg/kg (n=8)
Compound 9: 30 mg/kg (n=10)
Compound 9: 100 mg/kg (n=11)
* p<0.05
** p<0.01
Compound 9 IP

Figure 3

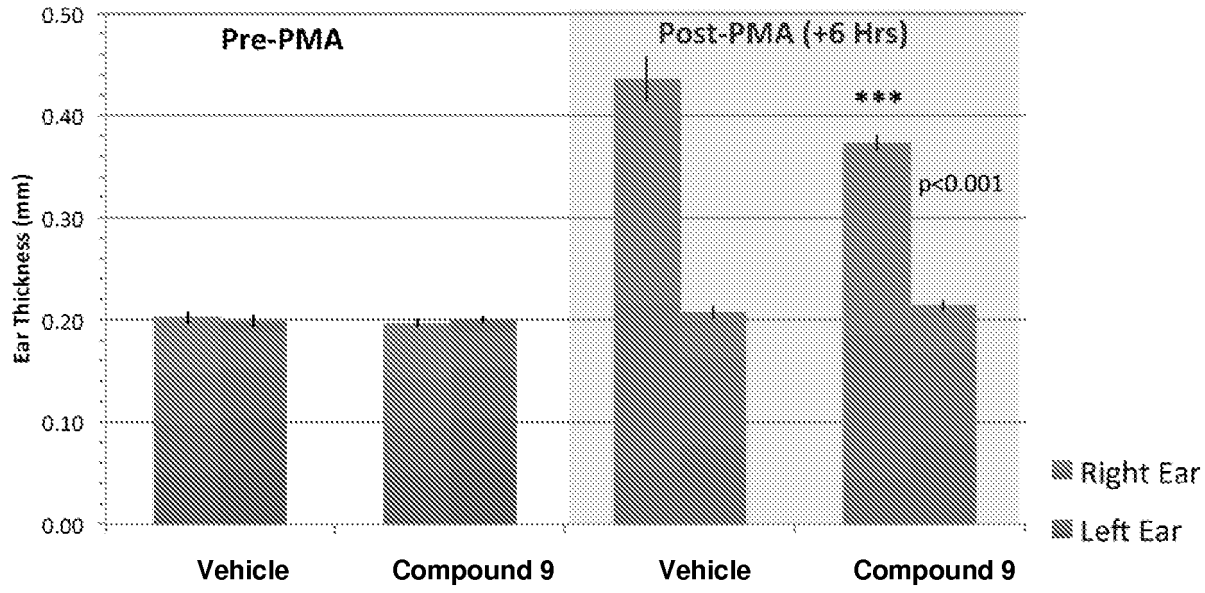


Compound 9 IP

* p<0.05
** p<0.01
*** p<0.001
**** p<0.0001

Figure 4

A


Pre-PMA
Post-PMA (+6 Hrs)
***
p<0.001
Ear Thickness (mm)
0.50
0.40
0.30
0.20
0.10
0.00
Vehicle
Compound 9
Vehicle
Compound 9
Right Ear
Left Ear

B

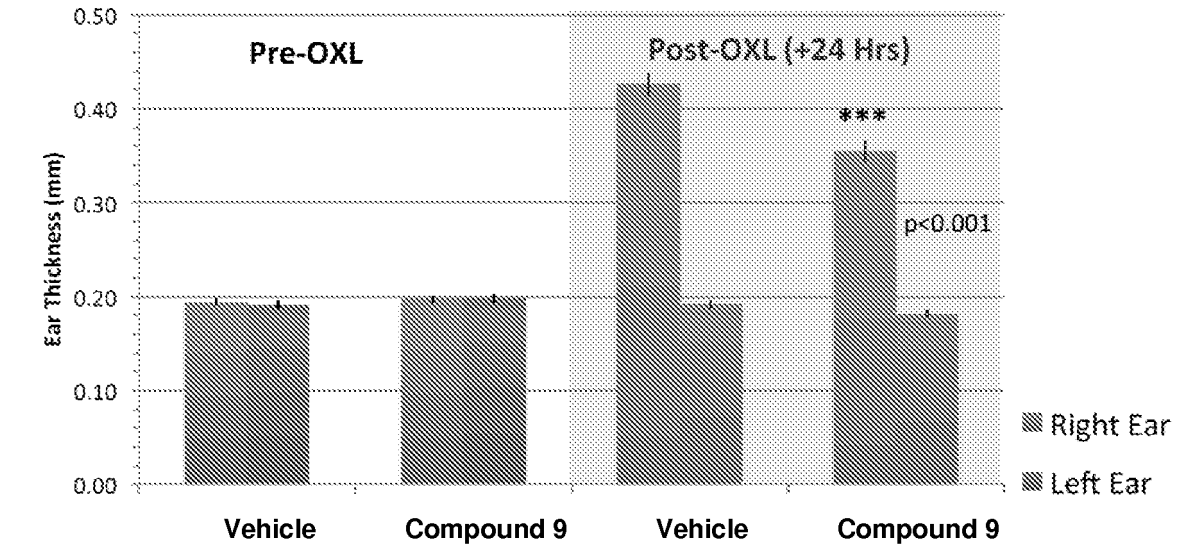
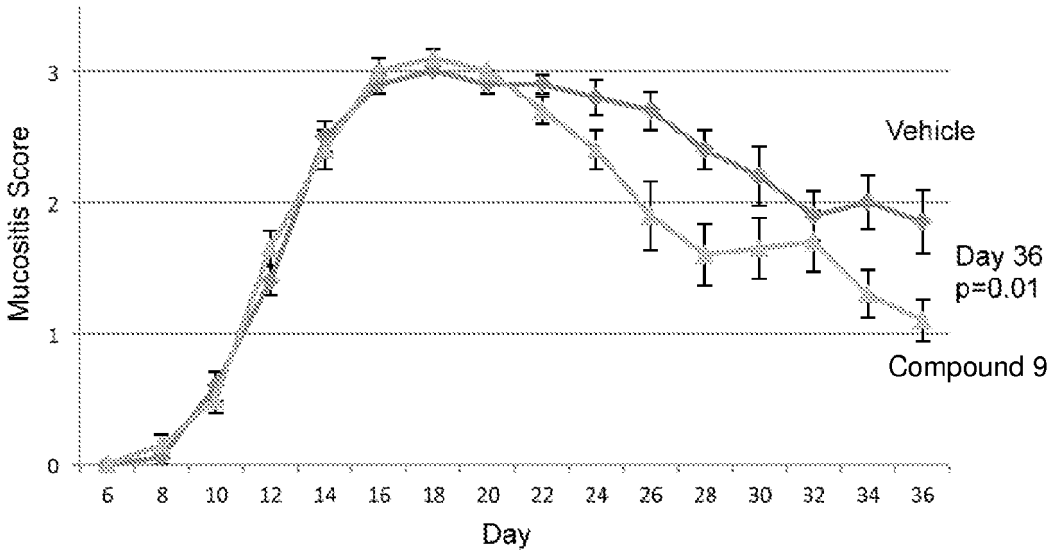

Pre-OXL
Post-OXL (+24 Hrs)
***
p<0.001
Ear Thickness (mm)
0.50
0.40
0.30
0.20
0.10
0.00
Vehicle
Compound 9
Vehicle
Compound 9
Right Ear
Left Ear

Figure 5

A



Hamster check pouch irradiation with 40 Gy
(n=10 per group, 12.5 mg/kg SQ BID Compound 9)

% Animals with Ulceration

	Day 18	Day 20	Day 22	Day 24	Day 26	Day 28	Day 30	Day 32	Day 34	Day 36
Vehicle	100%	90%	90%	90%	80%	50%	50%	20%	30%	40%
Compound 9	100%	100%	70%	50%	40%	20%	20%	20%	0%	0%

B

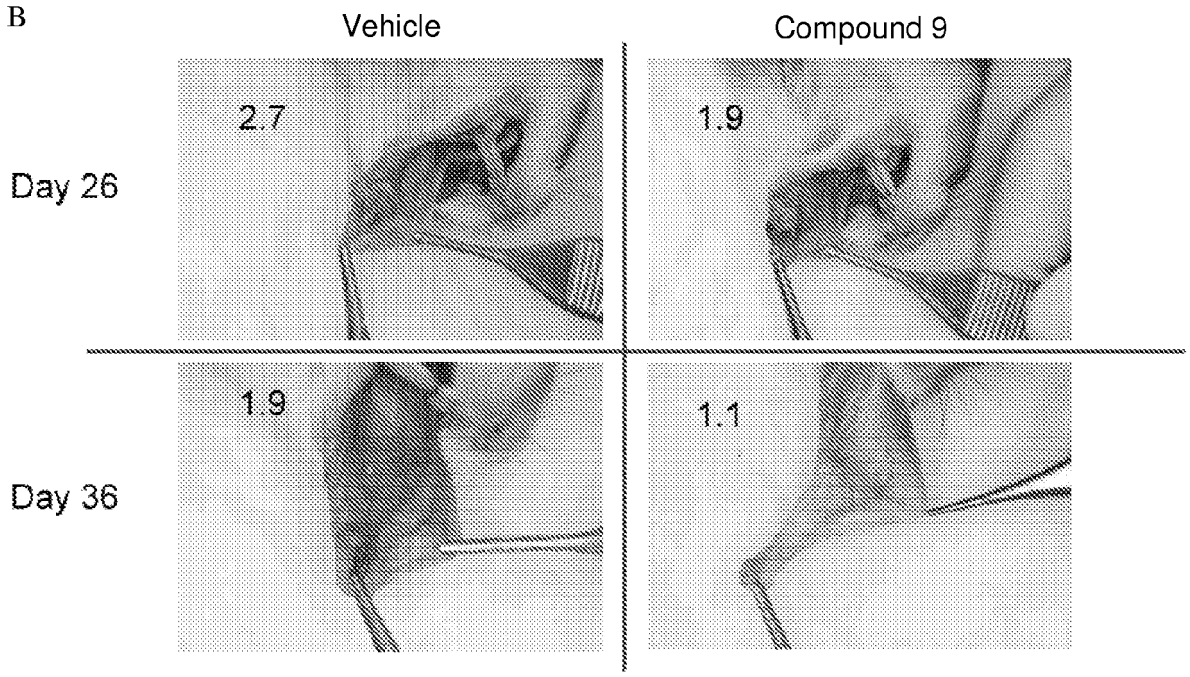
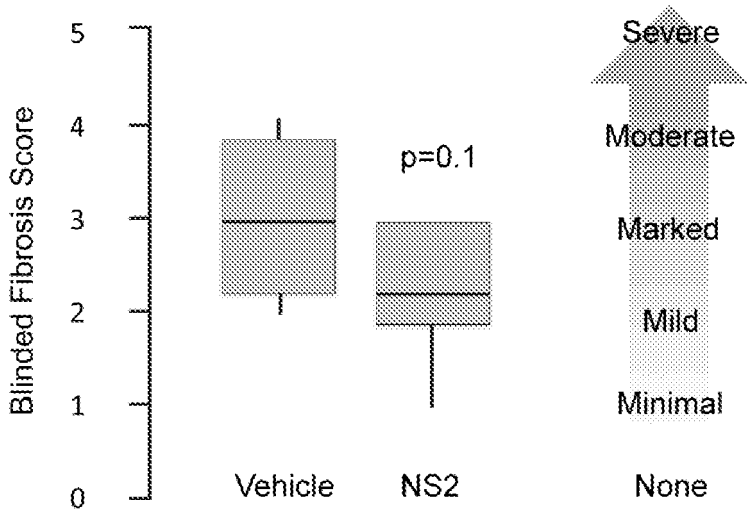


Figure 6



Hamster check pouch irradiation with 40 Gy
(n=10 per group, 12.5 mg/kg SQ BID Compound 9,
Histology at day 36)

Figure 7