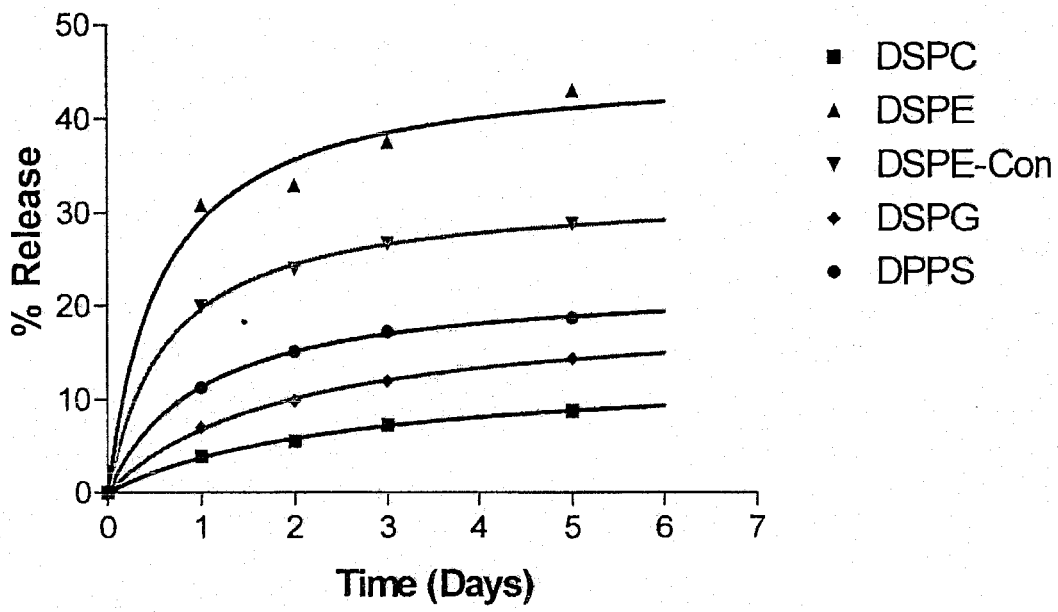
50
40
30
20
10
0
% Release
0
1
2
3
4
5
6
7
Time (Days)
DSPC
DSPE
DSPE-Con
DSPG
DPPS

**FIGURE 1**

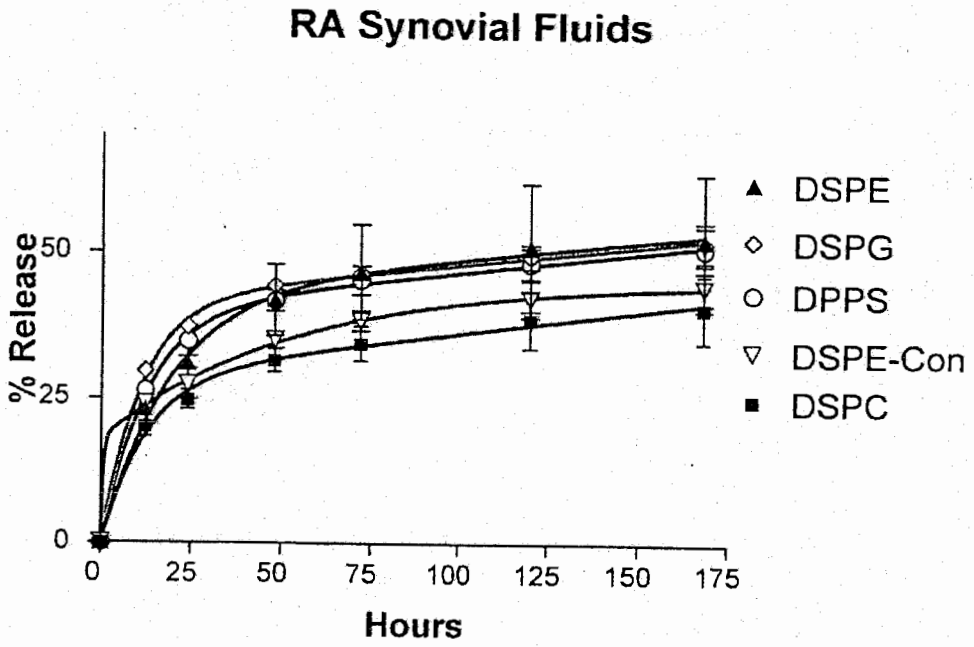
RA Synovial Fluids
% Release
0
25
50
0
25
50
75
100
125
150
175
Hours
DSPE
DSPG
DPPS
DSPE-Con
DSPC

FIGURE 2

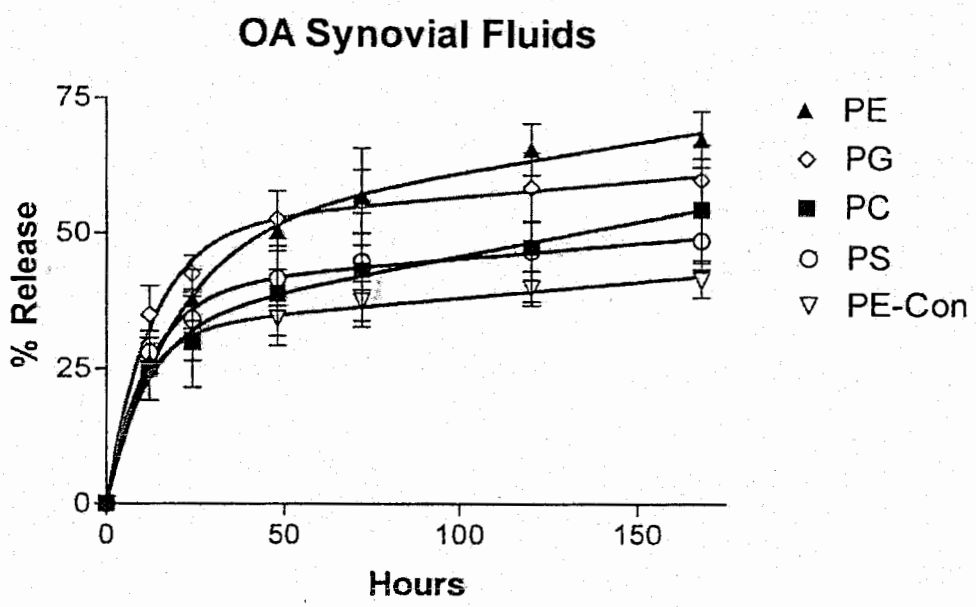
OA Synovial Fluids
% Release
75
50
25
0
0
50
100
150
Hours
PE
PG
PC
PS
PE-Con

**FIGURE 3**

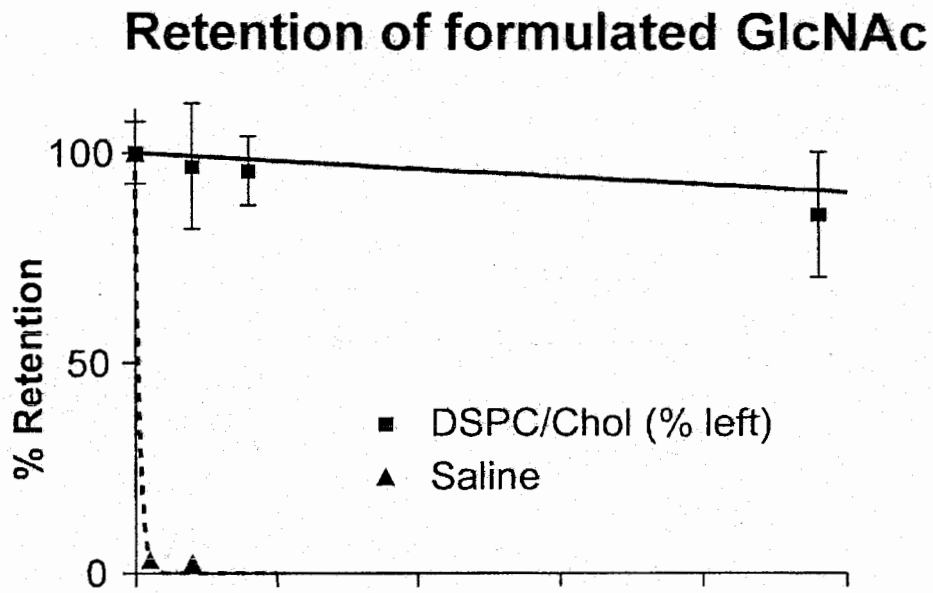
Retention of formulated GlcNAc
100
50
0
% Retention
DSPC/Chol (% left)
Saline

FIGURE 4

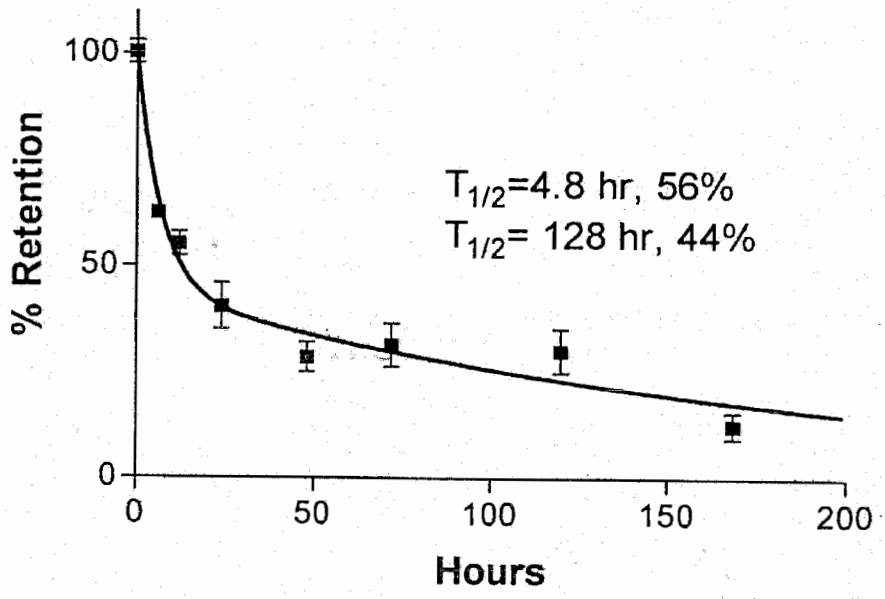
100
50
0
% Retention
0
50
100
150
200
Hours
$T_{1/2}$=4.8 hr, 56%
$T_{1/2}$= 128 hr, 44%

**FIGURE 5**

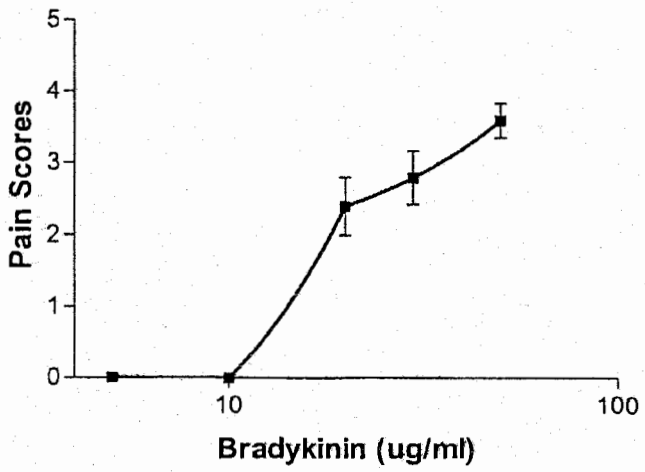


FIGURE 6

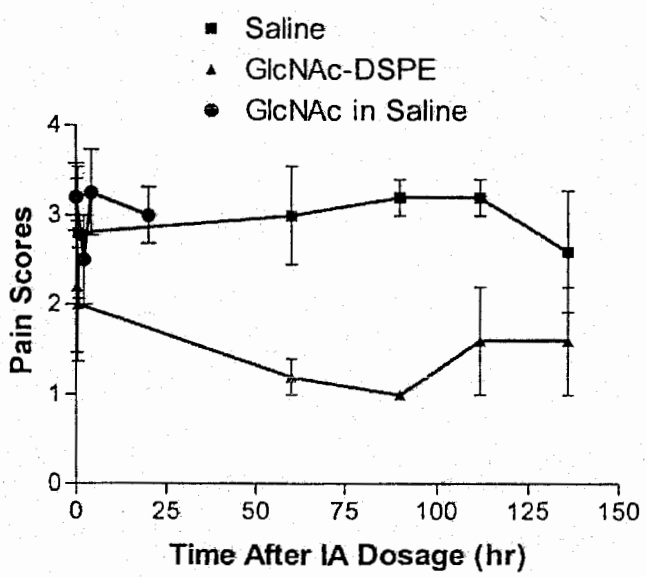
Saline
GlcNAc-DSPE
GlcNAc in Saline
Pain Scores
0
1
2
3
4
0
25
50
75
100
125
150
Time After IA Dosage (hr)

**FIGURE 7**