FIG. 1

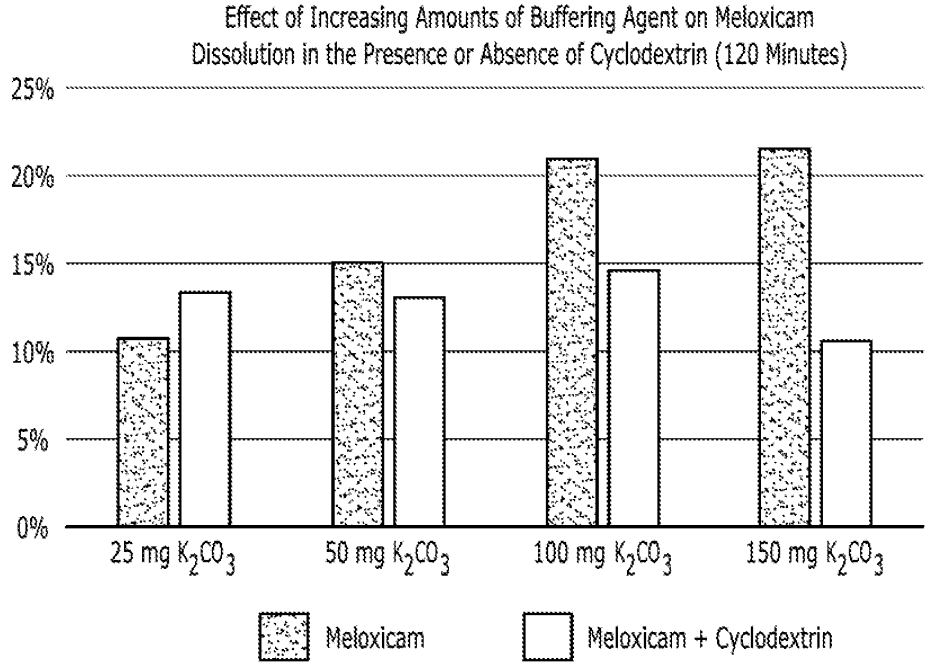

Effect of Increasing Amounts of Buffering Agent on Meloxicam Dissolution in the Presence or Absence of Cyclodextrin (120 Minutes)
25%
20%
15%
10%
5%
0%
25 mg K_2CO_3
50 mg K_2CO_3
100 mg K_2CO_3
150 mg K_2CO_3
Meloxicam
Meloxicam + Cyclodextrin

FIG. 2

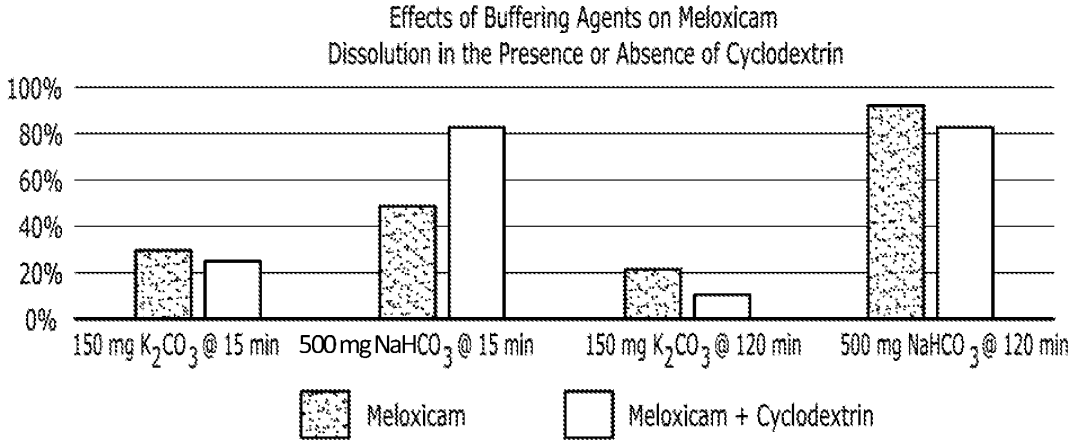

Effects of Buffering Agents on Meloxicam Dissolution in the Presence or Absence of Cyclodextrin
100%
80%
60%
40%
20%
0%
150 mg K_2CO_3 @ 15 min
500 mg $NaHCO_3$ @ 15 min
150 mg K_2CO_3 @ 120 min
500 mg $NaHCO_3$ @ 120 min
Meloxicam
Meloxicam + Cyclodextrin

FIG. 3

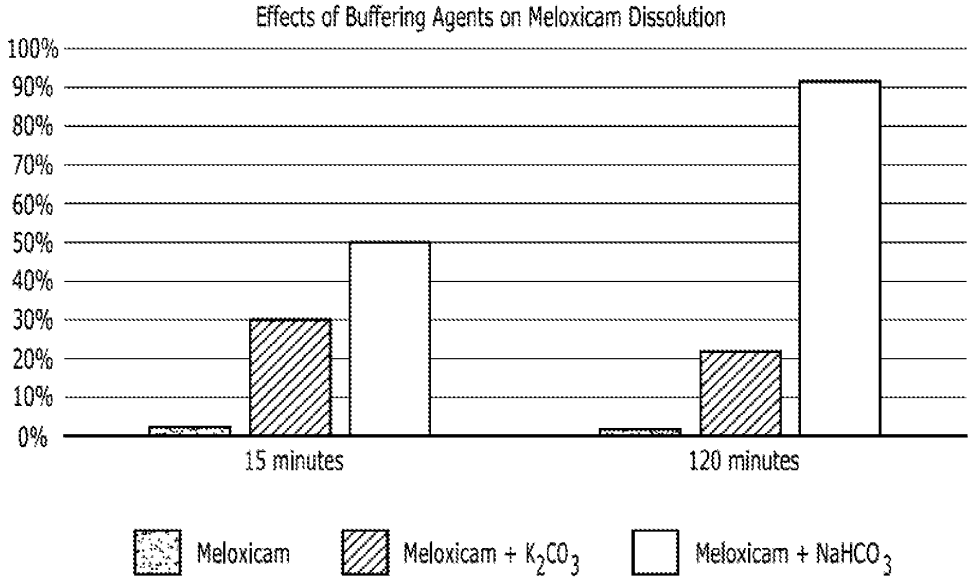

Effects of Buffering Agents on Meloxicam Dissolution
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
15 minutes
120 minutes
Meloxicam
Meloxicam + K_2CO_3
Meloxicam + $NaHCO_3$

FIG. 4

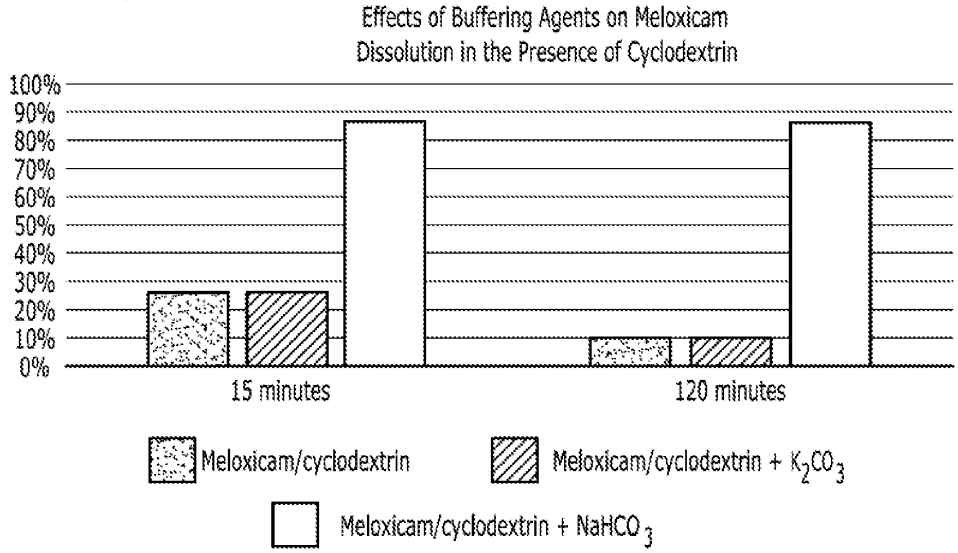

Effects of Buffering Agents on Meloxicam Dissolution in the Presence of Cyclodextrin
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
15 minutes
120 minutes
Meloxicam/cyclodextrin
Meloxicam/cyclodextrin + K_2CO_3
Meloxicam/cyclodextrin + $NaHCO_3$

FIG. 5

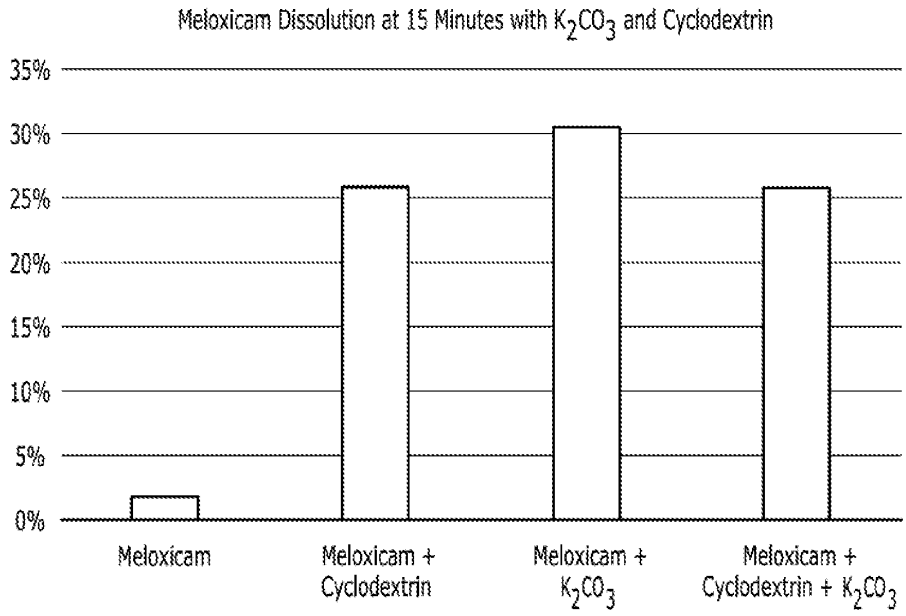

Meloxicam Dissolution at 15 Minutes with K_2CO_3 and Cyclodextrin
35%
30%
25%
20%
15%
10%
5%
0%
Meloxicam
Meloxicam + Cyclodextrin
Meloxicam + K_2CO_3
Meloxicam + Cyclodextrin + K_2CO_3

FIG. 6

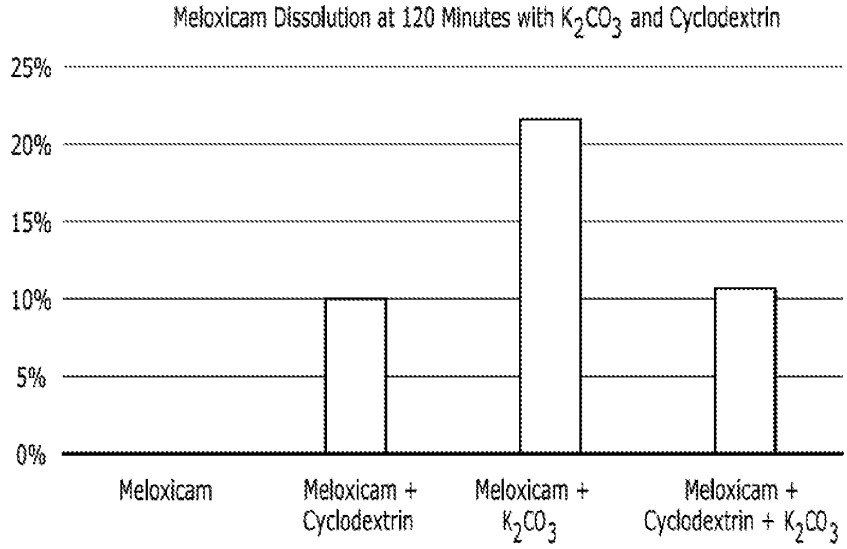

Meloxicam Dissolution at 120 Minutes with K_2CO_3 and Cyclodextrin
25%
20%
15%
10%
5%
0%
Meloxicam
Meloxicam + Cyclodextrin
Meloxicam + K_2CO_3
Meloxicam + Cyclodextrin + K_2CO_3

FIG. 7

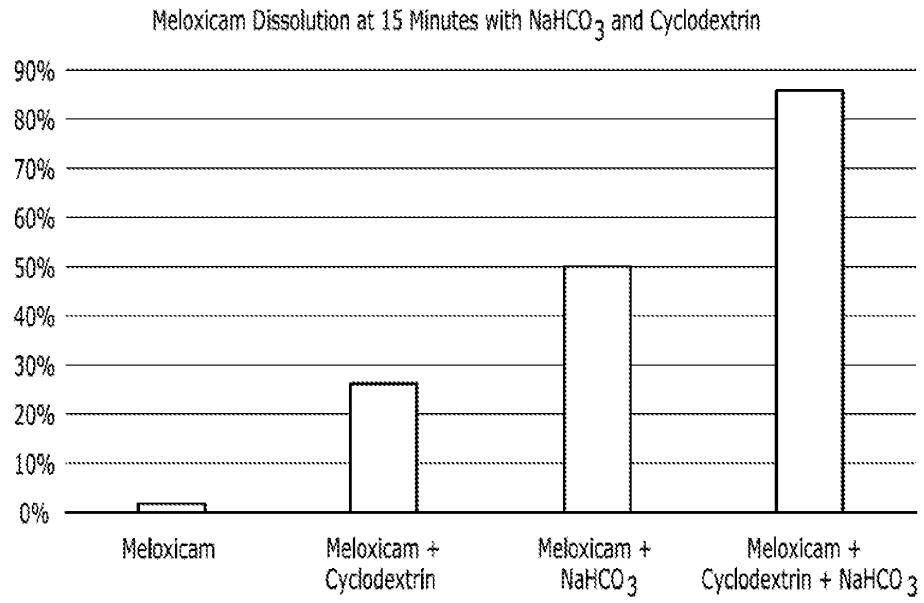

Meloxicam Dissolution at 15 Minutes with NaHCO3 and Cyclodextrin
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Meloxicam
Meloxicam + Cyclodextrin
Meloxicam + NaHCO3
Meloxicam + Cyclodextrin + NaHCO3

FIG. 8

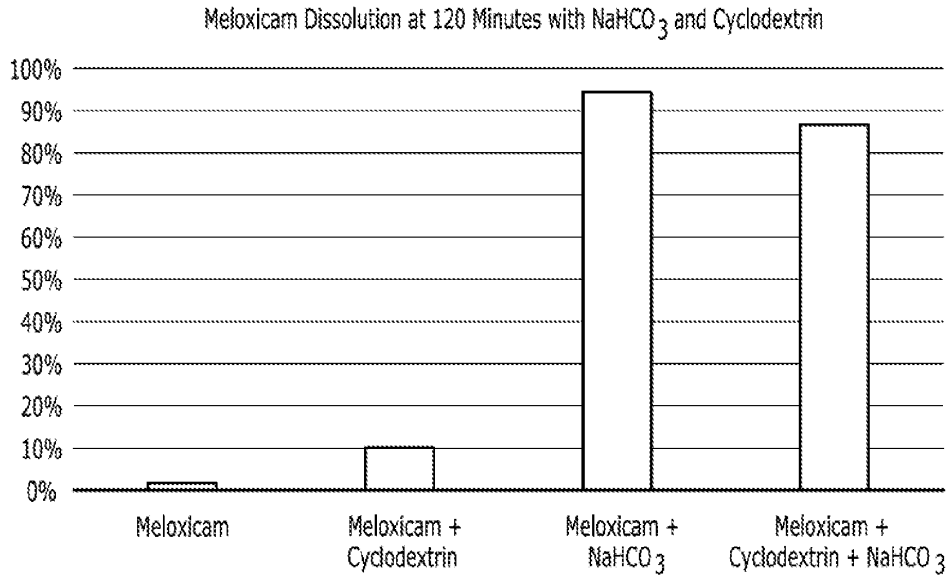

Meloxicam Dissolution at 120 Minutes with NaHCO3 and Cyclodextrin
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Meloxicam
Meloxicam + Cyclodextrin
Meloxicam + NaHCO3
Meloxicam + Cyclodextrin + NaHCO3

FIG. 9

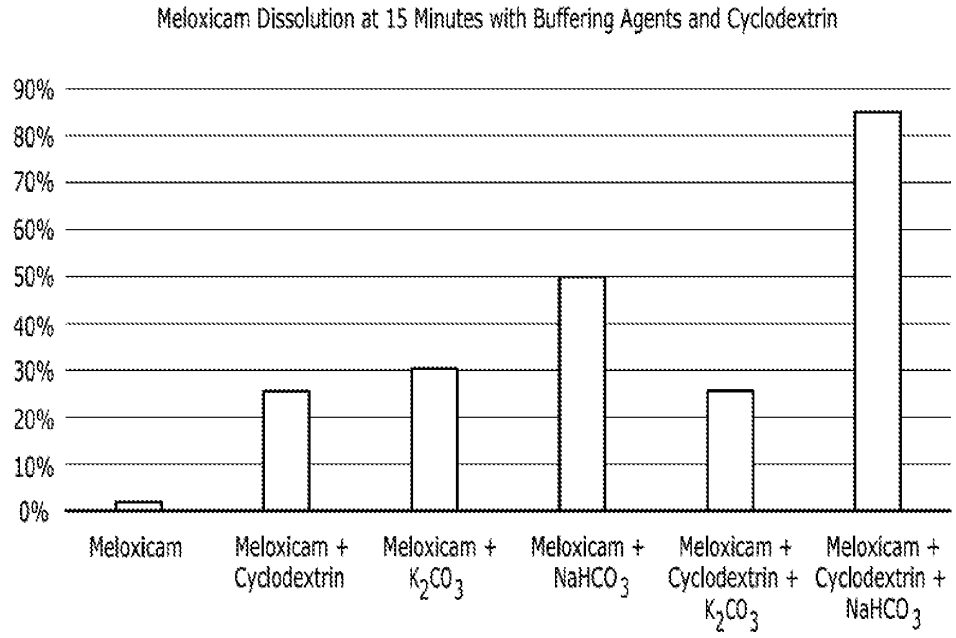
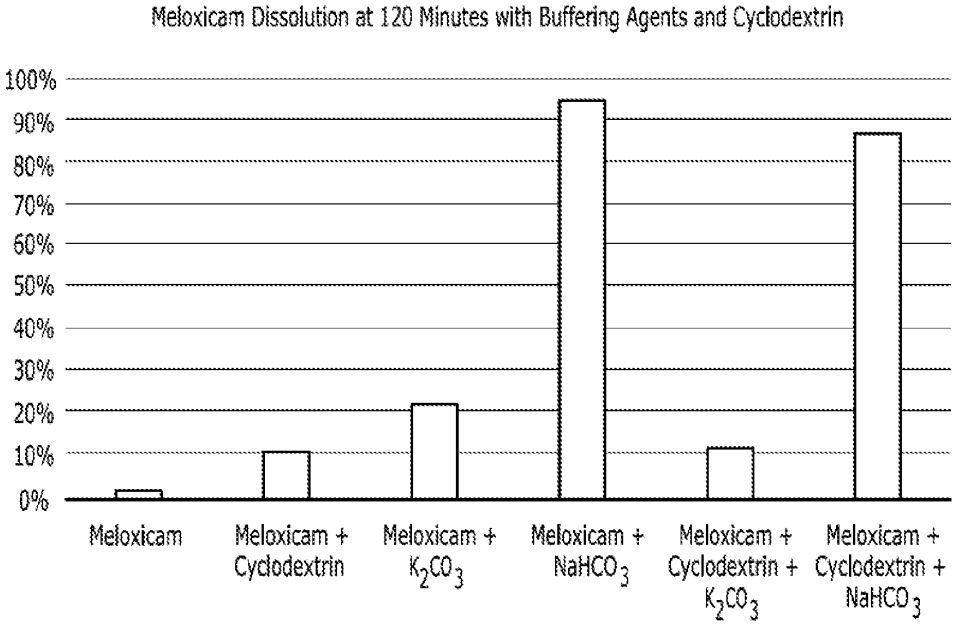

Meloxicam Dissolution at 15 Minutes with Buffering Agents and Cyclodextrin
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Meloxicam
Meloxicam + Cyclodextrin
Meloxicam + K_2CO_3
Meloxicam + $NaHCO_3$
Meloxicam + Cyclodextrin + K_2CO_3
Meloxicam + Cyclodextrin + $NaHCO_3$

FIG. 10


Meloxicam Dissolution at 120 Minutes with Buffering Agents and Cyclodextrin
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
Meloxicam
Meloxicam + Cyclodextrin
Meloxicam + K_2CO_3
Meloxicam + $NaHCO_3$
Meloxicam + Cyclodextrin + K_2CO_3
Meloxicam + Cyclodextrin + $NaHCO_3$

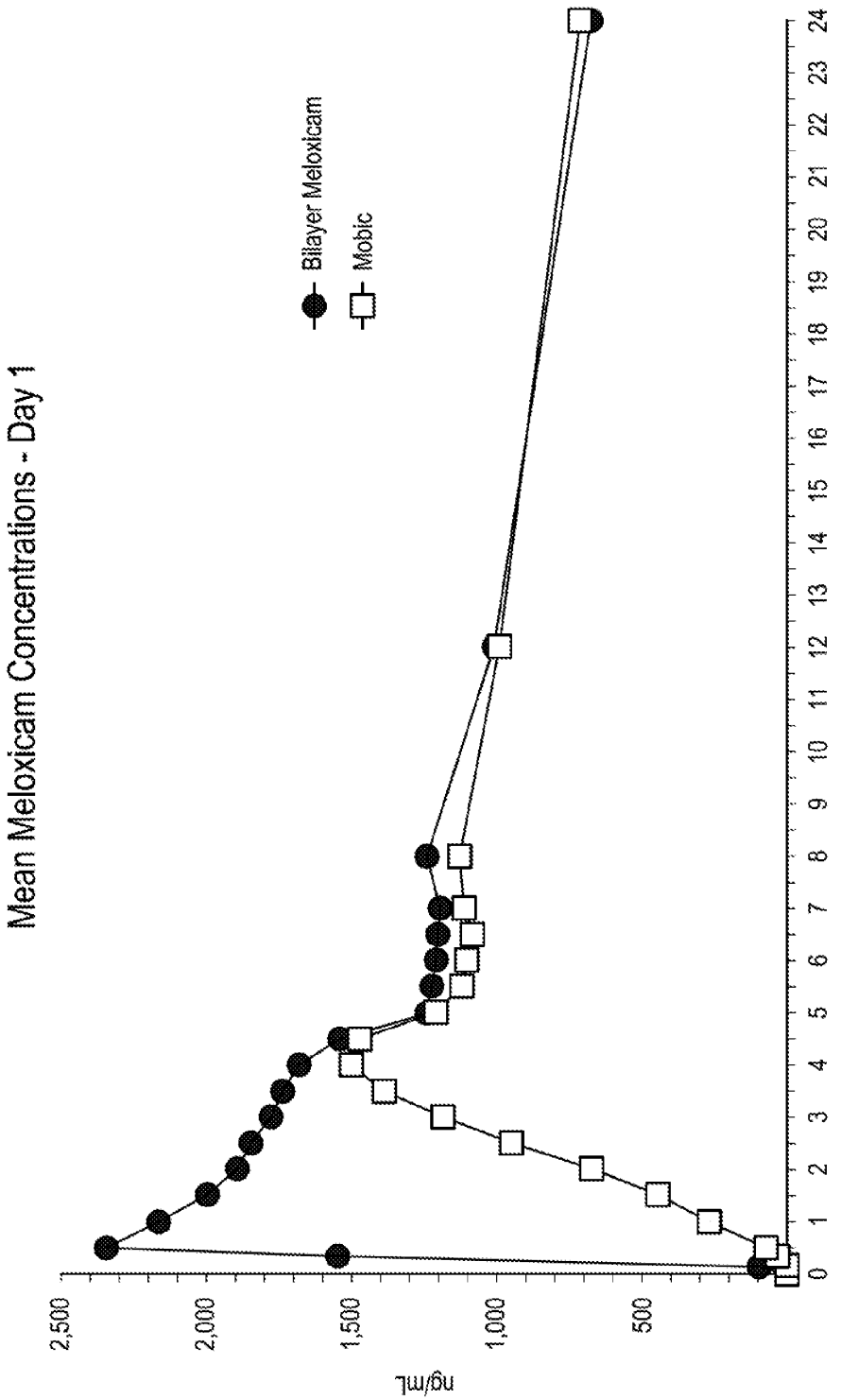

Mean Meloxicam Concentrations - Day 1
Bilayer Meloxicam
Mobic
ng/mL
2,500
2,000
1,500
1,000
500
Hours
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

FIG. 11