

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
C07D 231/56

(45)
(11)
(24)

2004 03 24
10-0424341
2004 03 12

(21) 10-2001-0065332
(22) 2001 10 23

(65)
(43)

10-2003-0034406
2003 05 09

(73) 907-3

(72) 5-1

2 301-66

417 4 807

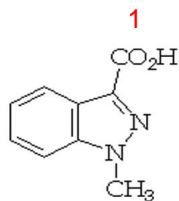
(74)

:

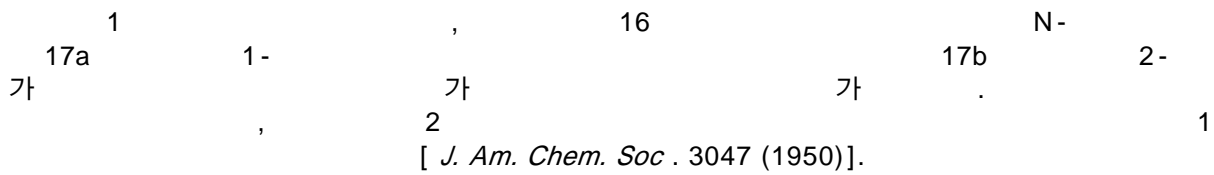
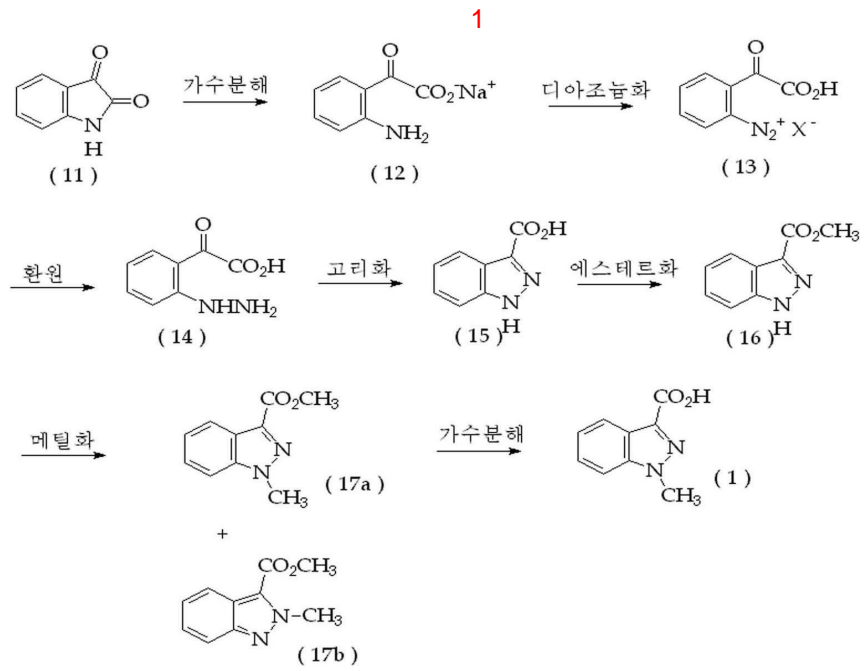
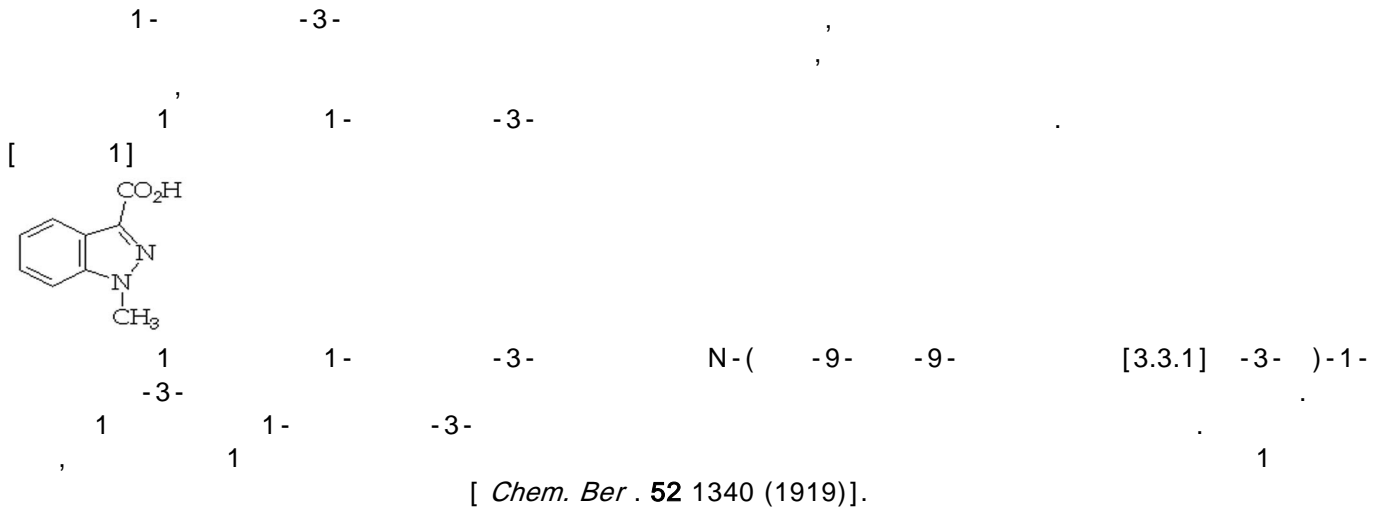
(54) 1- -3-

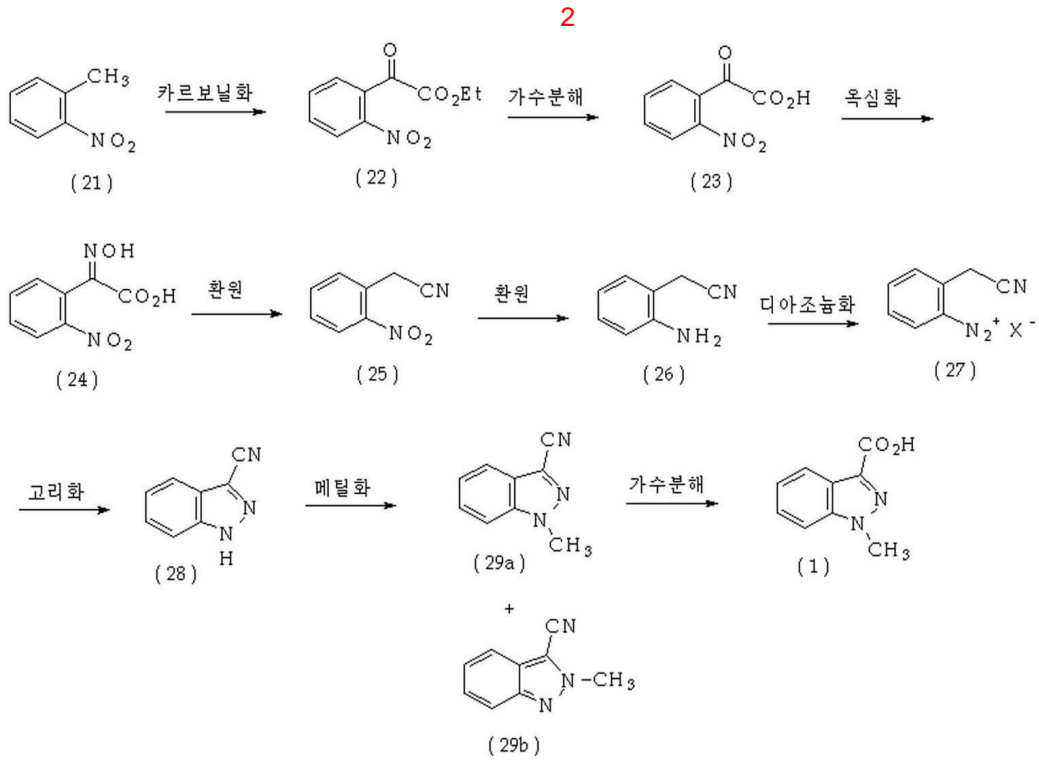
1- -3-

1' 1- -3-

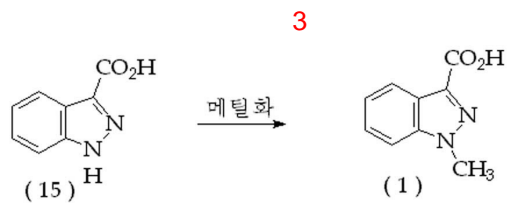


1- -3-



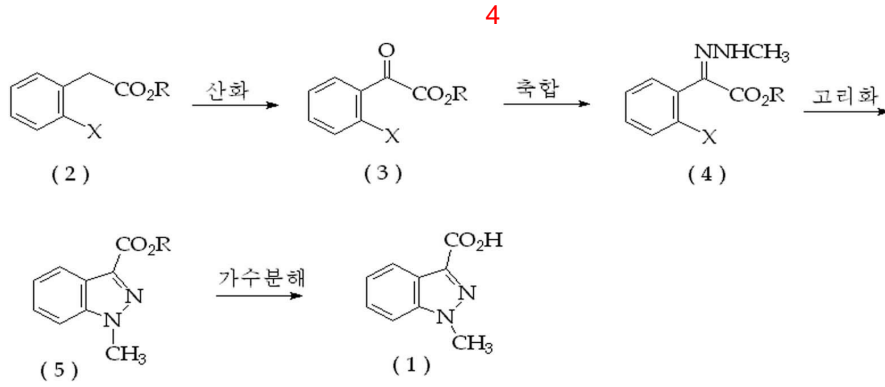


2 29b 2- 29a 1- 가 1-
 , 15 -3-
 , 3 1 1
 [121921].



3 2- 5

1- 가 -3-
 2 ; 3 3
 4 ; 4
 5 가 1- -3- 1- 1- -3- ;
 1- -3-



4 : R C_{1 6} , C_{3 7} , -C_{1 3} , X

2

1 1- -3-

4 2 3

2 2 가 가

100

90 가 N- 가 0

4 3

5 1- 4 -3-

(I) , 50 100 (,

가 1 1- 5 -3- 1- -3- 가

가

1- 가

2- 1 1-

1 : 2-

A. 2-(2-) 4.58 g 50 mL 6.32 g, 3

.17 g 가 0.32 g 가 12 30 mL . 2 N- 100 mL
2.48 g

(51%)
1 H NMR(CDCI₃) 3.96(s, 3H), 7.41 7.48(m,2H), 7.63 7.70(m, 2H).

B.

2-(2-) 2.29 g 30 mL N- 1.96 g
0.08 g 가 12 30 mL
50 mL . 20 mL 1.68
g 가 12 50 mL
50 mL 100 mL . 1.12 g(46%)

2 : 2-
2- 2.43 g 25 mL , 0.92 g 2.52 g 가 8
30 mL 가 30
mL

1.98 g(73%)
1 H NMR(CDCI₃) 3.25(s, 1H), 3.85(s, 3H), 3.98(s, 3H), 7.21 7.73(m, 4H).

3 : 1- -3-
2- 1.9 g 20 mL (l) 1.33 g
1.16 g 가 90 1 60 mL 가
100 mL 3

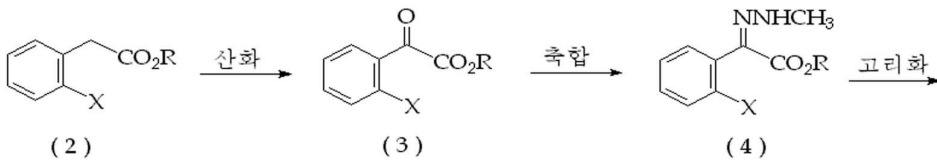
0.84 g(63%)
77 78 ; 1 H NMR(CDCI₃) 4.06(s, 3H), 4.21(s, 3H), 7.34 7.38(m, 1H), 7.49(m, 2H), 8.26(d, 1H, J =6.0 Hz).

4 : 1- -3-
1- -3- 0.78 g 5 mL , 2 N- 3.1 mL 가 2
5 mL 가 10 mL
2 N- 3.5 mL 가 10 mL
0.6

8 g(94%)
215 216 ; 1 H NMR(DMSO-d₆) 4.16(s, 3H), 7.31(m, 1H), 7.49(m, 1H), 7.76(d, 1H, J=8.3 Hz), 8.0
8(d, 1H, J=8.3 Hz), 12.7(brs, 1H).

(57)

1.
2 ; 3
3 ; 4
4 ; 5 1- 3-
5 가 1 1- -3-
1- -3-



: R C_{1 6} , C_{3 7} , -C_{1 3} , X .
 2. 1 , 0 100
 3. 1- -3- , 가 0 90 N- 1-
 4. -3- , 50
 5. 100 1- -3- ,
 6. 50 100 (I) 1- -3- ,
 1 , 가 1- -3- .