

(19) (KR)
(12) (B1)

(51) 。 Int. Cl. ⁶ (45) 2002 06 22
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(21) 10 - 1994 - 0026926 (65) 1995 - 0011421
(22) 1994 10 21 (43) 1995 05 15

(30) 03 199/93 - 4 1993 10 22 (CH)

(73) . . , (.), (. .), .
 , .
 - 4057 141

(72) 79400 10
 -
 68220 9

(74) :

(54) - 1,3,5 -

(1) (2) 1mol (3) 2mol , ,
(1) - 1,3,5 - . ,
UV .

1 o - 2 - - 1,3,5 -
UV .

, 가 .

(2)

, , ,
 R_2, R_3 R_4 가 ,
 .

(2)

($X_1 = -OCH_3$)

($X_1 = C1$)가

(2)

(3)

(2)

(3)

1:10

10:1

(2)

($X_1 = -OCH_3$)

(2)

(3)

2:1

1:2

(2)

(2)

(3)

1

:5 1:1.5,

1.3

1:2

(3)

90

95%

(2)

가

가

, N,N -

, N,N -

3

가

(:),

(:

)

(2)

($X_1 = \text{Hal}$)

가

가

2

30

(2)

($X_1 = \text{Hal}$)

($X_1 = -OR_5$)

4

30

18

22

2

20

4

8

95

60

95

(:)

80

95

- 1,3,5 -

/

- 1,3,5 -

- 1,3,5 -

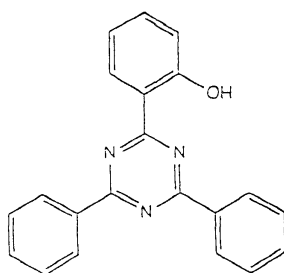
UV

%

- 1,3,5 -

1:

(91%) 69g(0.4mol) 170ml(200g) 가 30
 72g(0.4mol) 170ml 가 90 가
 130ml 45 , 5 ,
 90 95 22 , 120 150ml
 , 2 , (101)



(101)

: 47.5g(73%).

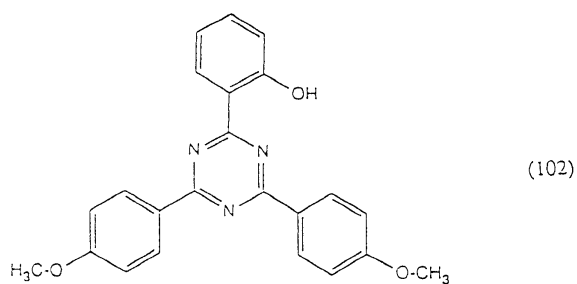
: 247 248

2:

200g 400g , 1
 70.7% 46g (101)

3:

100ml/ 120ml 4 - 42g(0.22
 6mol), 30% 40g(0.22mol) 33g(0.22mol)
 , 1 . 90 95 20 , (102)



: 30.6g(72.2%)

: 205 206

4:

1 (93%) 67.4g(0.4mol), 200ml 61g(0.6mol)
 0 , 31.3g(0.2mol) 0 5 20
 가 , 22 , 22
 75 80 가 , 60 , 300ml 가 , 5 C ,
 4% , 200ml , 110 76.
 49.7g (101)

: 248 249

5:

80 200ml 200ml , 4 , (75
 22) 95 6.5 , (101)
 .

: 49g(75.3%).

6 13:

4 , 4 -
 (: 1)

:

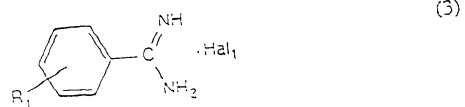
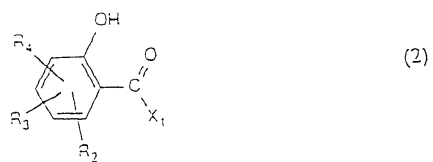
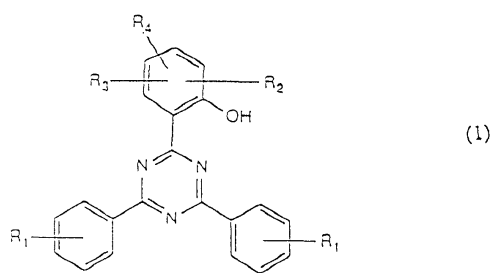
1:

<div></div>						
실시예 번호	화합물 번호	R	R ₁	R ₂	R ₃	용점 [°C]
6	(103)	H	H	OH	H	270-271
7	(104)	H	H	OCH ₃	H	203
8	(105)	H	H	CH ₃	H	237-238
9	(106)	H	CH ₃	H	H	207-208
10	(107)	H	H	H	Cl	222-223
11	(108)	OCH ₃	CH ₃	H	H	183-184
12	(109)	OCH ₃	H	CH ₃	H	198-199
13	(110)	OCH ₃	H	H	Cl	242-243

(57)

1.

(2) (3) , (1) 2 - 1 (1)
가 , (1) 2 - .



X_1 -OR₅ ,

R₁, R₂, R₃ R₄ , , , C₁ - C₁₈ C₁ - C₁₈ ,

R₅ C₁ - C₃ ,

Hal₁ .

2.

1 , X₁ .

3.

1 , (2) (3) 가 1:10 10:1 .

4.

1 , , , , ,

5.

1 , 가 80 95 .