

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

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(11) 10 - 0361394
(24) 2002 11 05

(21) 10 - 1995 - 0029379 (65) 1996 - 0010625
(22) 1995 09 07 (43) 1996 04 20

(30) 08/304,297 1994 09 12 (US)

(73) , ,

(72) 12302 7
12304 4331

(74)

(54) 4 -

4 - OH TEMPO 4 -

- ,

4 - , - 2,2,6,6 - - 1 -

(Chung)

4,478,876

가

가

(MEHQ)

가

(Kurland)

[J. Poly. Sci. Poly Chem. Ed., 18(1980) 1139]

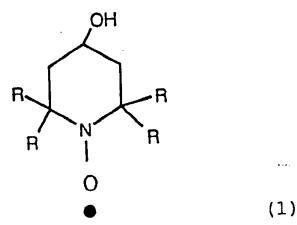
, MEHQ

가

RD - 23,492

(1) 4 -

(4 - OH TEMPO)



[, R C(1 - 8)]

, 4 - OH TEMPO

가

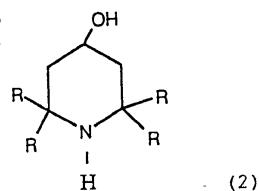
MEHQ

, 4 - OH TEMPO

4 - (2)
TEMPO

4 -

(1)



, () (" ") /

25 100 가

, 2 -

, 가

25 100 4 -

가

250g (2,2,6,6 -
2 , 42g - 4 - 50Mℓ) (15 70 (Ciba Geigy Co) Tinuvin ? 770),
rr 172g 500Mℓ 1H NMR 가 60 30to
- 4 - , 2,1,6,6 -

6g 2,2,6,6 - - 4 - , 80Mℓ , 0.4g , 0.4g Na₄EDTA 8Mℓ
30% 14 50 가 , 가 4.7
g 75Mℓ 3 IR 65 67 ,
(4 - OH - TEMPO)

86.9g Nalco 1034A((Nalco Chemical Company); 34% SiO₂ 가
(IPA), 13g - (MAPTMS) 0.15g
4 - OH TEMPO 가 2 60
36.2g (HDDA) 371Mℓ 가
50mmHg 55cps 61g

(57)

1.

(A) / () 가 ;

(B) (A) ;

(C) (B)

4 -

4 -

2.

1

() 가 (2,2,6,6 - - 4 -)

3.

1

() 가 (- 4 -)

4.

1

5.

1

6.

1

가

7.

/

() 가 4 -

8.

7