

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

(51) 。 Int. Cl. ⁶ (45) 2003 03 06
C07D 211/44 (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)

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(54) 4 - -

4 - OH TEMPO 4 - - .
- ,
.

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

(Chung)

4,478,876

가

가

(MEHQ)

(Kurland)

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

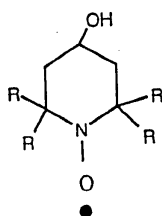
, MEHQ

가

RD - 23,492

(1) 4 -

(4 - OH TEMPO) :



(1)

[, R C₍₁₋₈₎]

, 4 - OH TEMPO

가

MEHQ

, 4 - OH TEMPO

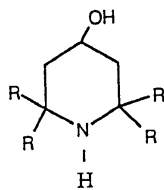
(2)

4 -

(1)

4 -

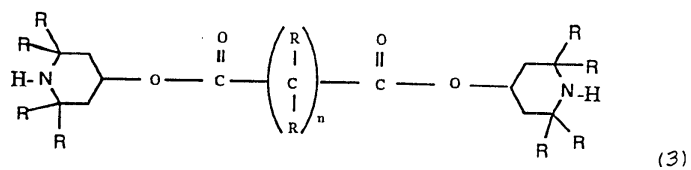
TEMPO



(2)

(2) (3) ()

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R ,

n 2 8 .

(2,2,6,6 - (3) (- 4 -)) Tinuvin ? 770(가 - ,

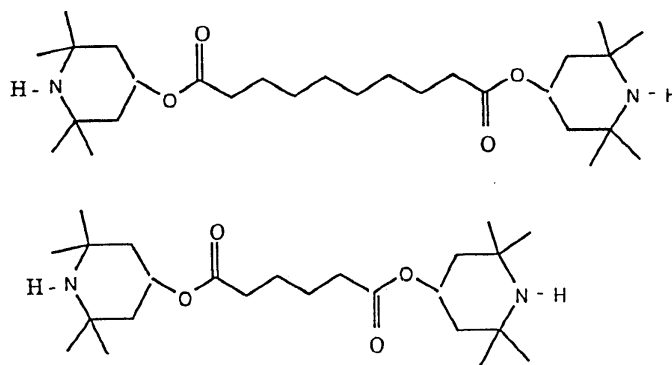
(A) / (3) () 가 (2) ;

(B) (A) ;

(C) (B) 4 - -

(1) 4 - - .

(3) () 가 :



(2) 4 - - m - .

, () (" - ") /
 25 100 가 .

, 2 - .

, .

, , 가

25 100 4 - -

가 .

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

6g 2,2,6,6 - 4 - , 80Mℓ , 0.4g , 0.4g Na_4EDTA 8Mℓ
 30% 14 50 가 . 가
 75Mℓ 3 . 4.7
 g . IR 65 67 ,
 (4 - OH - TEMPO) .

86.9g Nalco 1034A((Nalco Chemical Company); 34% SiO_2 가
), 200Mℓ (IPA), 13g - (MAPTMS) 0.15g
 4 - OH TEMPO 가 2 60
 36.2g (HDDA) 371Mℓ 가
 50mmHg . 55cps 가 61g .

(57)

1.

(A) / () 가
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(B) (A) ;

(C) (B) 4 - -

4 - - .

2.

1 ,

() 가 (2,2,6,6 - - 4 -)

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3.

1 ,

() 가 (- 4 -)

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4.

1 ,

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5.

1 .

6.

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가

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7.

/ () 가 4 - -

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8.

7 .