

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
C09B 44/14
A61K 7/13

(45)
(11)
(24)

2002 06 03
10 - 0339287
2002 05 22

(21) 10 - 1999 - 0026616
(22) 1999 07 02

(65) 2000 - 0011443
(43) 2000 02 25

(30) 9808832 1998 07 09 (FR)

(73)
, F - 75008, 14

(72)
95390 . 51
78480 13

(74)
:

(54)

1

, - , - , 가 ,
, 가 , 가 , - , - , -
, - , - , - , - , -

1

2

가

가

(,)

1

()

1

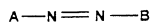
()

()

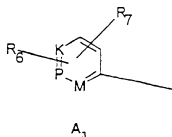
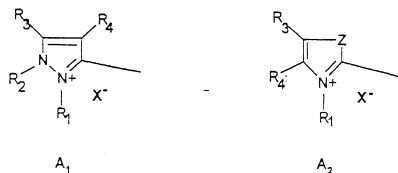
1

:

1



{ , A A₁ A₃ ,



(A₁ A₃ ,

R₁ C₁ - C₄ , C₁ - C₄ ;

R₂ C₁ - C₄ ;

R₃ R₄ , C₁ - C₄ , A₁ ,
 C₁ - C₄ , C₁ - C₄ NO₂ , A₂ ,
 C₁ - C₄ , C₁ - C₄ NO₂ ;

R₃ ;

Z -NR₂ ;

M -CH, -CR (R C₁ - C₄) -NR₅ (X⁻)_r ;

K -CH, -CR (R C₁ - C₄) -NR₅ (X⁻)_r ;

P -CH, -CR (R C₁ - C₄) -NR₅ (X⁻)_r ; r 0 1 ;

R₅ O⁻ , C₁ - C₄ C₁ - C₄ ;

R₆ R₇ , , , , , C₁ -
 C₄ C₁ - C₄ -NO₂ ;

X⁻ , , , , ;

, R₄가 C₁ - C₄, Z가, R₃가 ;

R₅가 O⁻, r 0 ;

K P M C₁ - C₄ - N - X⁻, R₆ R₇ ;

K가 -NR₅(X⁻)_r, M = P = -CH, -CR ;

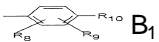
M -NR₅(X⁻)_r, K = P = -CH, -CR ;

P가 -NR₅(X⁻)_r, K = M = -CH -CR ;

Z가 -NR₂, R₂가 C₁ - C₄, A₂ R₁, R₃ R₄ C₁ - C₄),

B :

- (a) B₁ :



(B₁ ,

R₈ -OH, -NO₂, -NHR₁₁, -NR₁₂ R₁₃, -NHCO (C₁ - C₄), C₁ - C₄, C₁ - C₄, R₉, 5- 6- ;

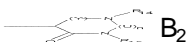
R₉, R₁₀ R₁₁, C₁ - C₄, C₁ - C₄, 5- 6- ;

R₁₀, -OH, -NHR₁₁, -NR₁₂ R₁₃ ;

R₁₁, C₁ - C₄, C₁ - C₄, C₂ - C₄ ;

R₁₂ R₁₃, C₁ - C₄, C₁ - C₄, C₂ - C₄);

- (b) /, C₁ - C₄, B₂ :



(B₂ ,

R₁₄ R₁₅ , , C₁ - C₄ ,

Y -CO- $\text{---}\overset{\text{CH}_3}{\text{C}}\equiv$;

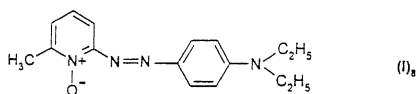
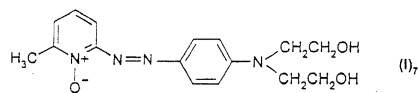
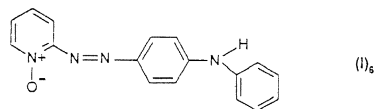
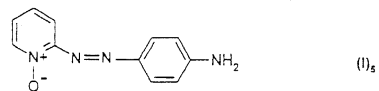
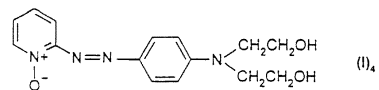
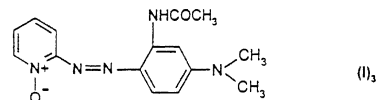
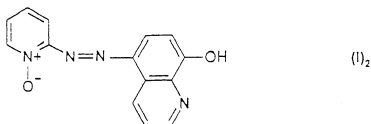
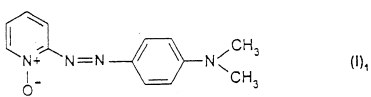
n 0 1 , n 1 , U -CO-)}.

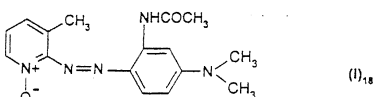
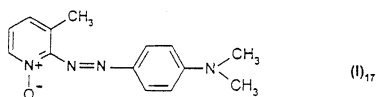
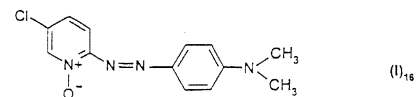
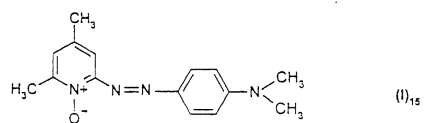
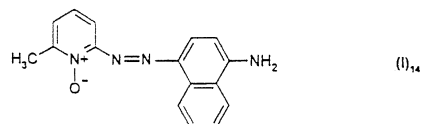
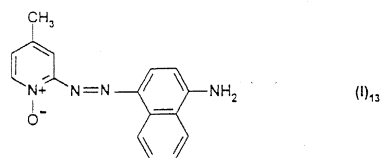
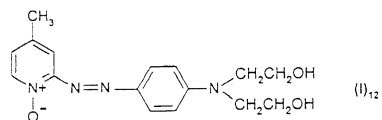
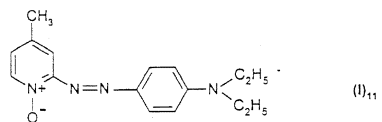
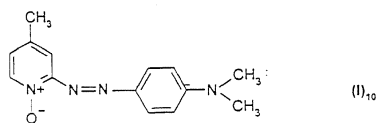
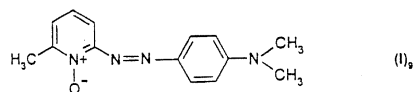
, C₁ - C₄

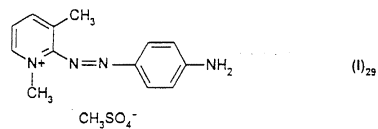
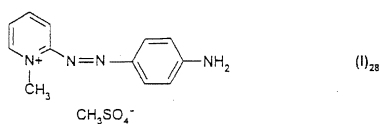
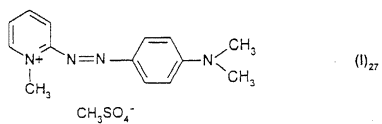
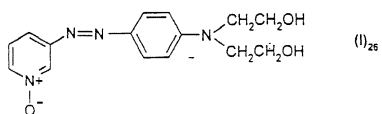
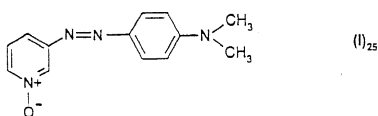
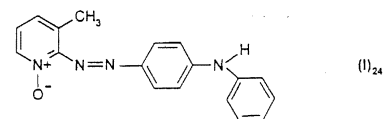
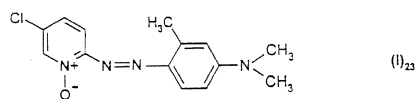
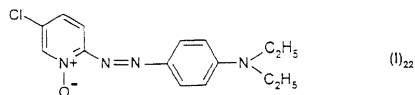
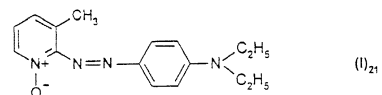
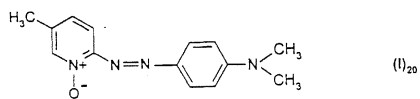
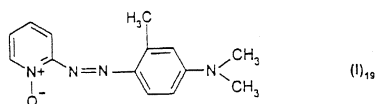
FR - 2,189,006, FR - 2,285,851 FR - 2,140,205 가

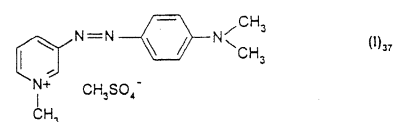
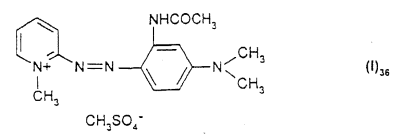
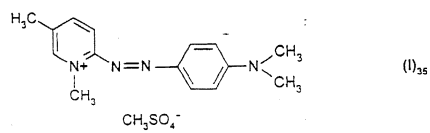
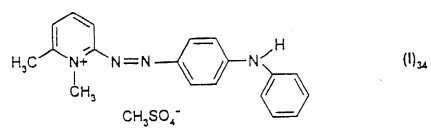
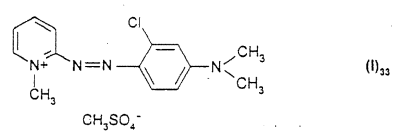
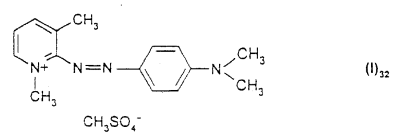
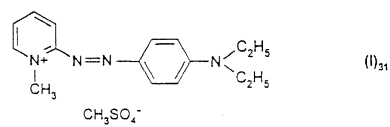
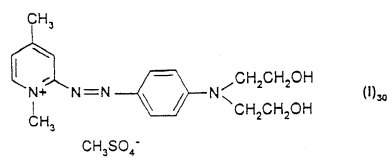
(1)₇₇

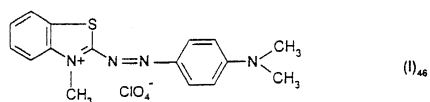
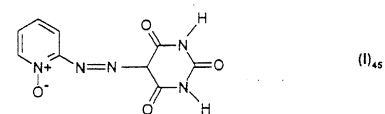
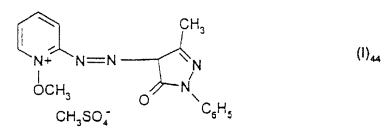
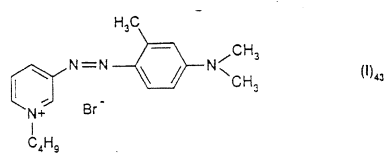
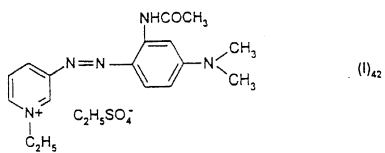
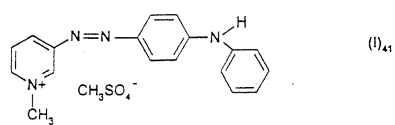
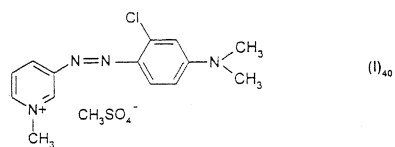
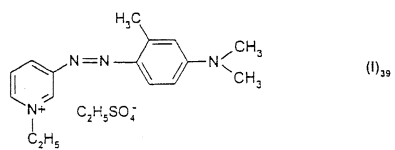
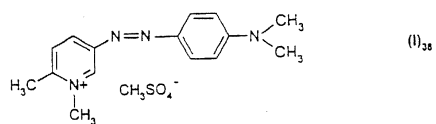
(1)₁

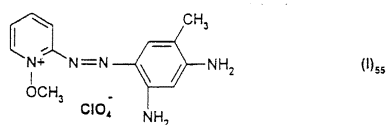
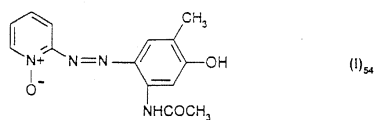
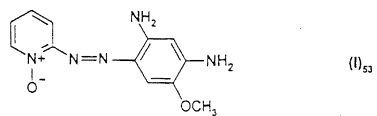
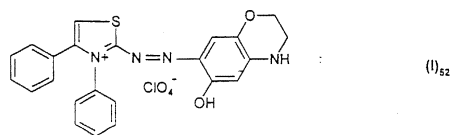
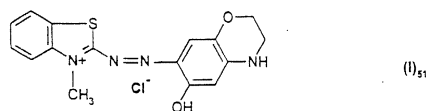
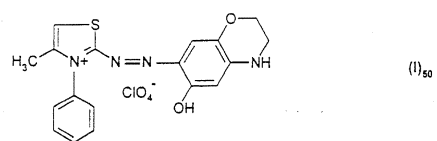
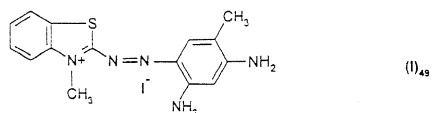
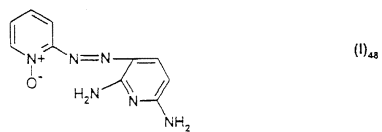
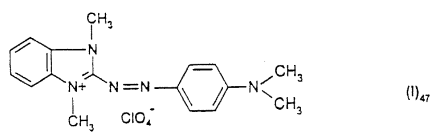


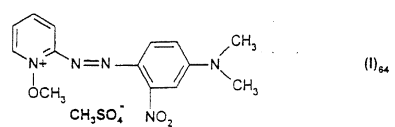
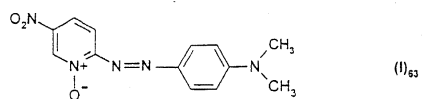
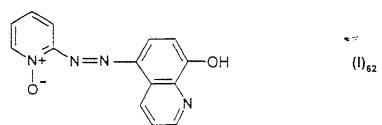
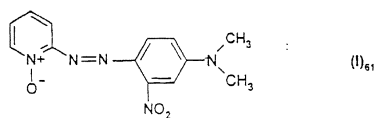
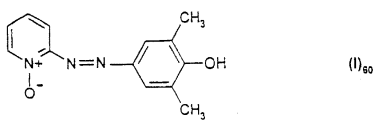
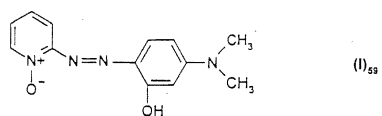
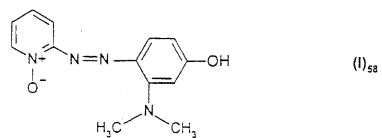
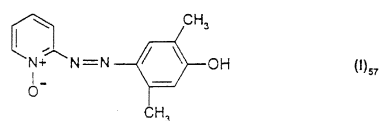
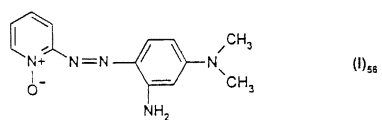


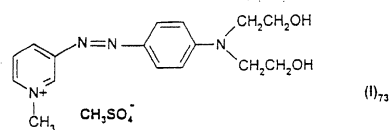
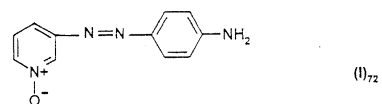
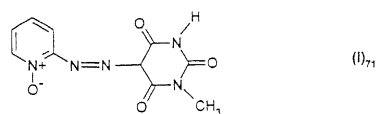
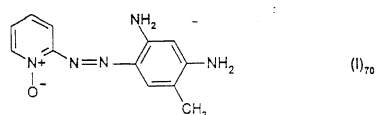
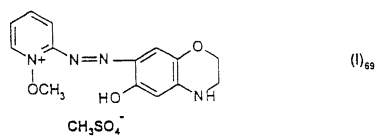
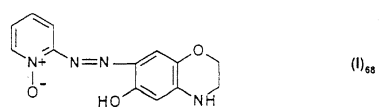
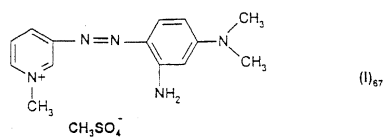
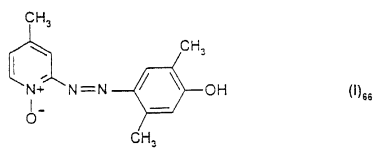
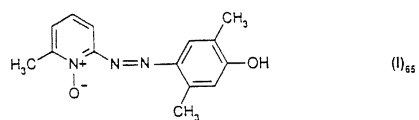


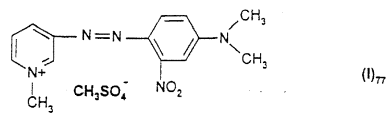
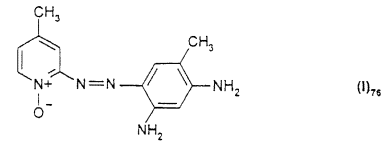
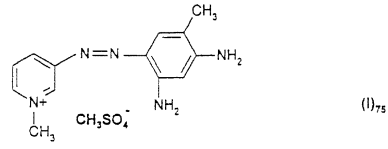
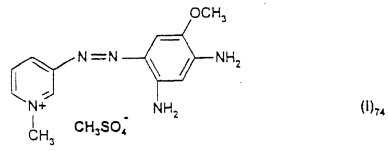












10 %, 1 0.005 5 % 0.001

() :

()₁ - ;

()₂ - ;

()₃ - , 가 , , 가 , , 가 ;

()₄ - ;

()₅ - ;

()₆ - ;

()₇ - .

175 , Jaguar C , Vidogum GH

, C₁ - C₆

0.4 1.2

ar HP60 Jaguar HP120, Jaguar DC 293 Jaguar HP105 () Jaguar HP8, Jagu Galactasol 4H4FD2

, 가 , 가 , 가 [Robert L. Davison, "Hand book of Water soluble gums and resins", McGraw Hill Book Company (1980)]

tigum CS, Actigum CS 11, Amigel Ac 2,633,940

eltrol BT, Keltrol RD Keltrol CG Keltrol, Keltrol T, Keltrol TF, K Rhodicare S Rhodicare H

Blanose 7LF, Blanose 7MF, Blanose 9M31F, Blanose 12M31XP, Blanose 12M31P, Blanose 9M31XF, Blanose 7H, Blanose 7M31 Blanose 7H3SXF, Aquasorb A500 Ambergum 1221, Cellogen HP810A Cellogen HP6HS9, Primellose

0.01 10 %, 0.1 5 % ()

C₁ - C₄ ;

1 40 %, 5 30 %

pH 2 11, 5 10

3 60

5 40

(B1)

(A1)

()

(A1)

(B1)

()

(A2)

(B2)

()

(B2)

(A2)

(B1)

(B2)

1

(A1)

(A2)

2

FR 2,586,913

1 2

1 2

2

:

(g)

[1]

	1	2
(1)10	0.12	
(1)27		0.1
Vidogum GH 175	1.0 AM*	
Amigel		1.0 AM*
	10	10
2 - -2 - -1 - qs	pH 9	pH 9
qs	100	100
AM*		

90 %

30

[2]

1	
2	

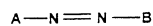
(57)

1.

() () ,

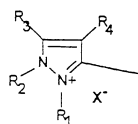
() 1 :

[1]

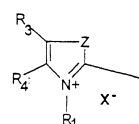


{ , A

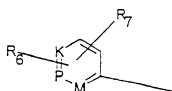
A₁ A₃



A₁



A₂



A₃

(A₁ A₃ ,

R₁ C₁ - C₄ , C₁ - C₄ ;

R₂ C₁ - C₄ ;

R₃ R₄ , C₁ - C₄ , A₁ ,
 C₁ - C₄ , C₁ - C₄ NO₂ , A₂ ,
 C₁ - C₄ , C₁ - C₄ NO₂ ;

R₃ ;

Z -NR₂ ;

M -CH, -CR (R C₁ - C₄) -NR₅ (X⁻)_r ;

K -CH, -CR (R C₁ - C₄) -NR₅ (X⁻)_r ;

P -CH, -CR (R C₁ - C₄) -NR₅ (X⁻)_r ; r 0 1 ;

R₅ O⁻ , C₁ - C₄ C₁ - C₄ ;

R₆ R₇ , -NO₂ , , , , C₁ -
 C₄ C₁ - C₄ ;

X⁻ , , , , ;

, R₄가 C₁ - C₄ , Z가 , R₃ 가 ;

R₅가 O⁻ , r 0 ;

K P M C₁ - C₄ -N- X⁻ , R₆ R₇ ;

K가 -NR₅ (X⁻)_r , M = P = -CH, -CR ;

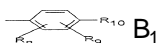
M -NR₅ (X⁻)_r , K = P = -CH, -CR ;

P가 -NR₅ (X⁻)_r , K = M = -CH -CR ;

Z가 -NR₂ , R₂가 C₁ - C₄ , A₂ R₁, R₃ R₄ C₁ - C₄
),

B :

- (a) B₁ :



(B₁ ,
 R₈ , C₁ - C₄ , C₁ - C₄ ,
 -OH, -NO₂, -NHR₁₁, -NR₁₂ R₁₃, -NHCO (C₁ - C₄) , R₉ ,
 ; 5 - 6 -

R₉ , C₁ - C₄ C₁ - C₄
 , R₁₀ R₁₁ ,
 ; 5 - 6 -

R₁₀ , -OH , -NHR₁₁ -NR₁₂ R₁₃ ;

R₁₁ , C₁ - C₄ , C₁ - C₄ , C₂ - C₄
 ;

R₁₂ R₁₃ , C₁ - C₄ , C₁ - C₄ C₂ - C₄
);

- (b) , C₁ - C₄ ,
 ; 5 - 6 - }

() :

()₁ - ;

()₂ - ;

()₃ - ,가 , , 가 , , 가
 ;

()₄ - ;

()₅ - ;

()₆ - ;

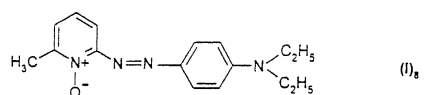
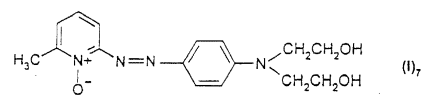
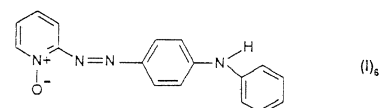
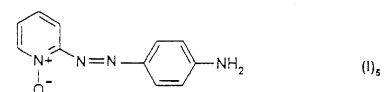
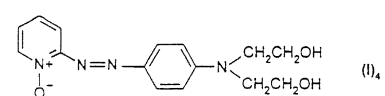
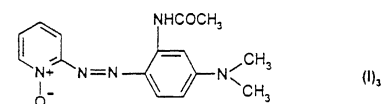
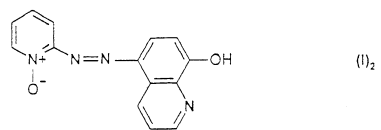
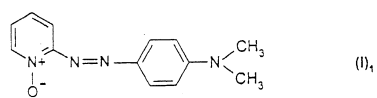
()₇ - .

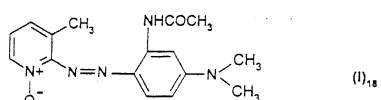
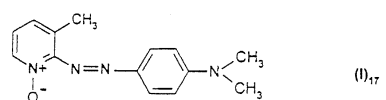
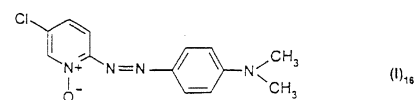
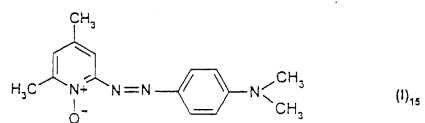
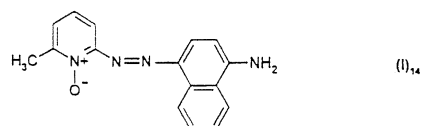
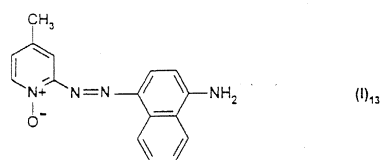
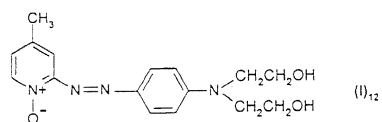
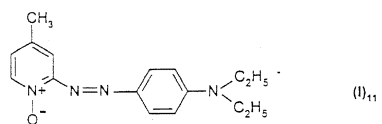
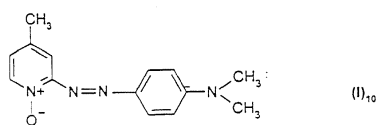
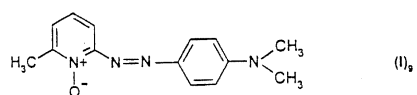
2.

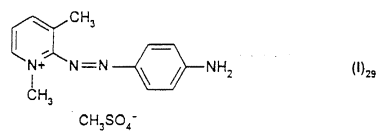
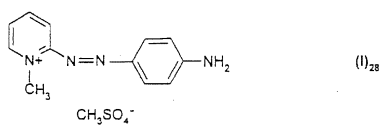
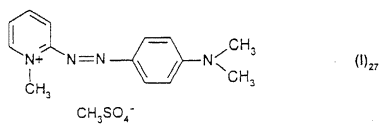
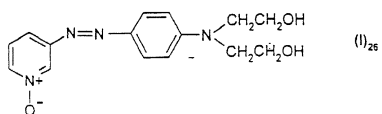
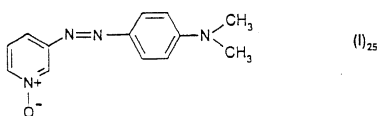
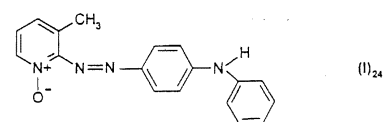
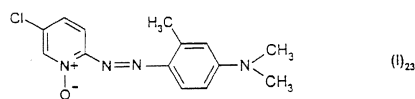
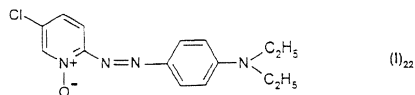
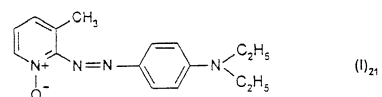
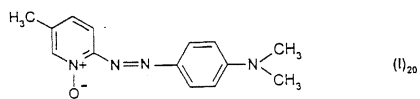
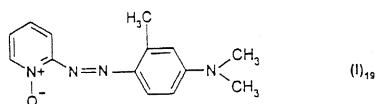
1 , 1 , C₁ - C₄ C₁ - C₄ , , ,

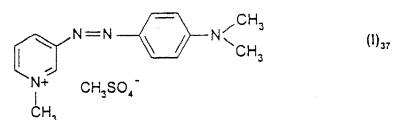
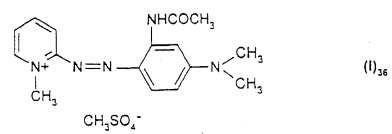
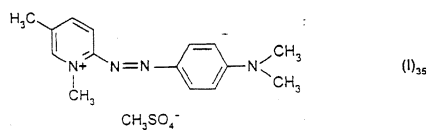
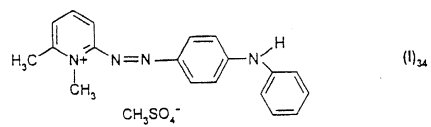
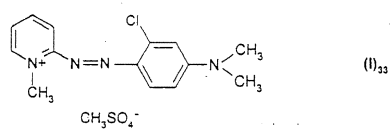
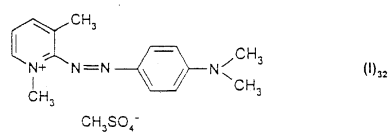
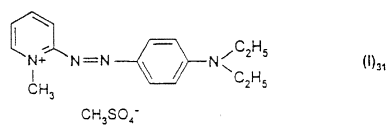
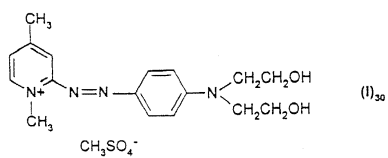
3.

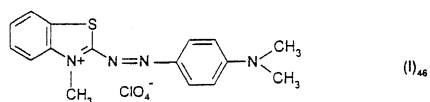
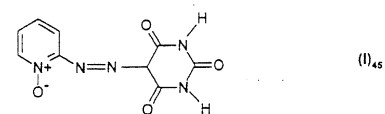
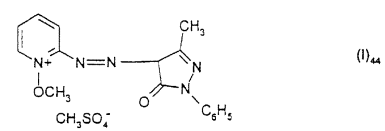
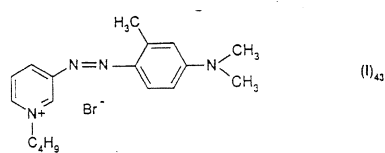
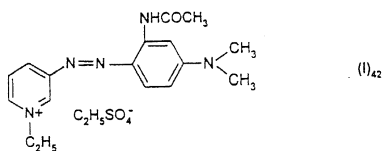
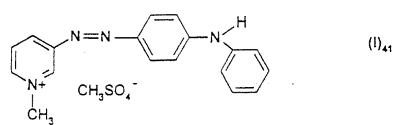
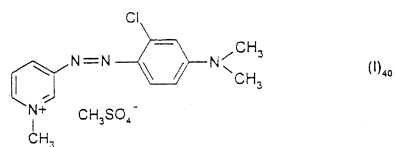
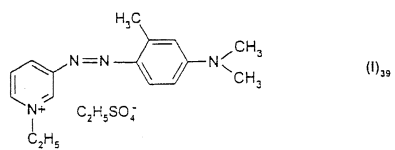
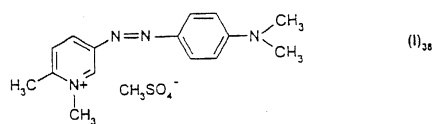
2 , 가 (1)₁ (1)₇₇ :

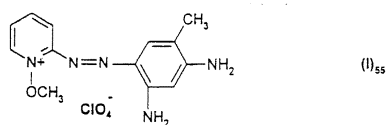
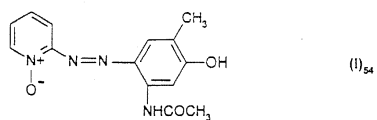
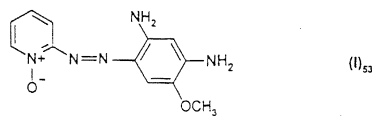
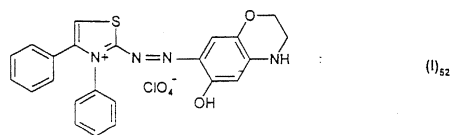
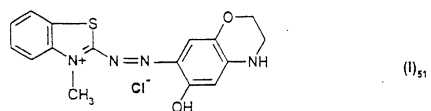
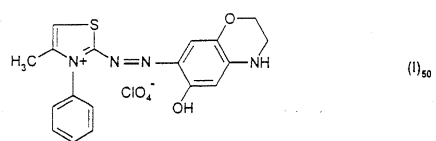
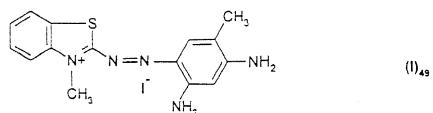
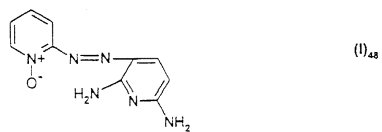
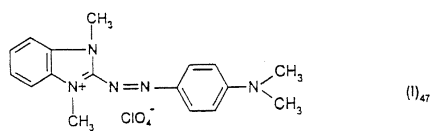


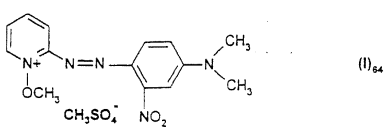
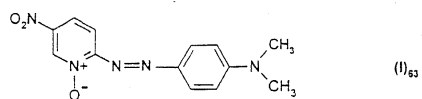
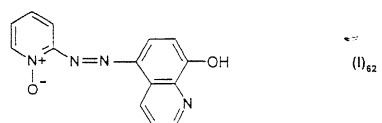
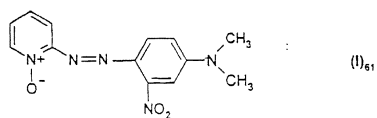
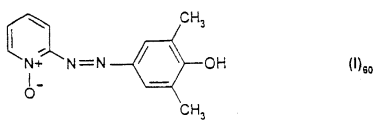
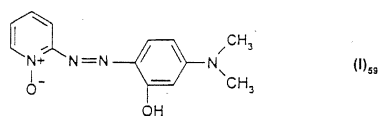
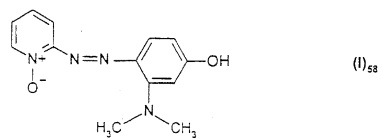
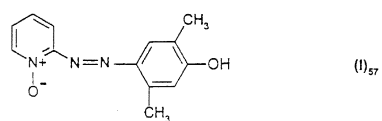
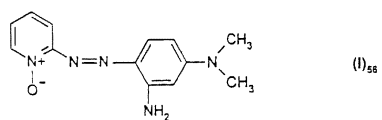


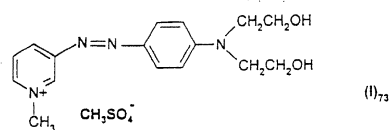
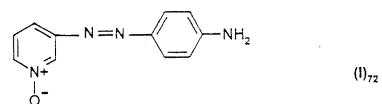
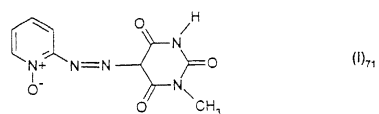
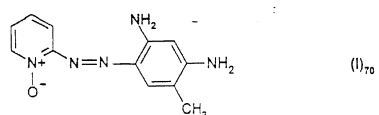
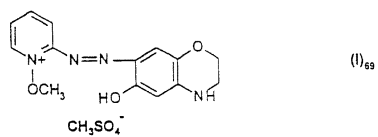
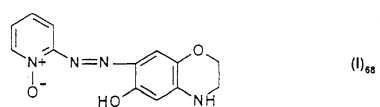
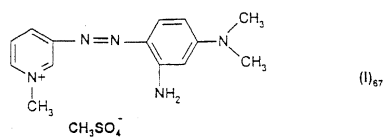
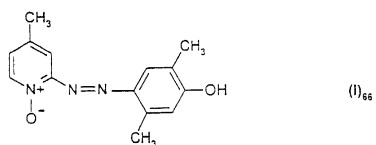
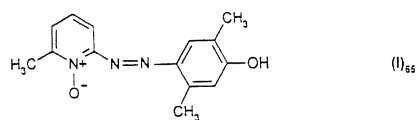


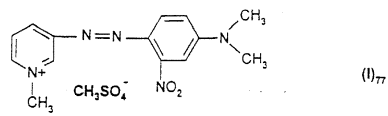
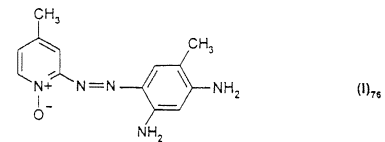
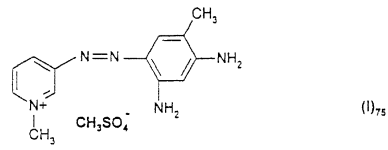
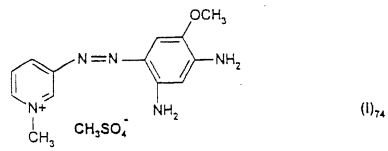












4.

10 1 3 , 1 가 0.001 %

5.

4 , 1 가 0.005 5 %

6.

1 3 , 가 C₁ - C₆

7.

6 , 0.4 1.2

8.

1 3 , 가

9.

1 3 , () 가 0.01 10 %

10.

9 , () 가 0.1 5 %

11.

1 3 , ,

12.

1 3 , pH 가 2 11

13.

1 3 , - , () , - , -

14.

13 , 가 0.0005 12 %

15.

14 , 가 0.005 6 %

16.

13 , - , - , -

17.

16 , 가 0.0001 10 %

18.

17 , 가 0.005 5 %

19.

1 3 , ,

20.

21.

22.

23.

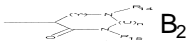
24.

25.

1 , 가 .

26.

1 , 1 B 가 B₂ 5- 6-
:



(B₂ ,

R₁₄ R₁₅ , , C₁ - C₄ ,

Y - CO - $\begin{matrix} \text{CH}_3 \\ | \\ \text{---C=} \end{matrix}$;

n 0 1 , n 1 , U - CO -).

27.

12 , pH 가 5 10 .

28.

29.

30.

31.