

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
A61K 31/4164

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(43)

2002 - 0060213  
2002 07 16

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(87) WO 2001/30327  
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(81)

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AP ARIPO : 가

EA :

EP :

OA OAPI : 가

(30) 19951701.0 1999 10 27 (DE)

(71)

- 65929 50

(72)

63329	21
61197	9
-	
65527	25

(74)

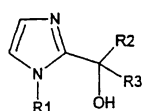
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(54)

2 -

I 2 -

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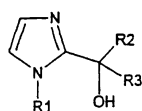
, R1, R2 R3

2 -

, Na<sup>+</sup>/H<sup>+</sup>

, I

I



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. WO 97 49 704

. JP 63270665

. DE - A

, m 0,1 2 ,  
 ) , R2 R3  
 CH<sub>3</sub>O 1 3  
 (C<sub>5</sub> - C<sub>6</sub>)

, R1  
 F, Cl, CH<sub>3</sub> CH<sub>3</sub>O  
 C<sub>1</sub> - C<sub>6</sub> - ( ,  
 ) , R2 R3 ,

I 2 -  
C<sub>1</sub> - C<sub>8</sub> -

I  
 - (CH<sub>2</sub>)<sub>m</sub> - (  
 3  
 F, Cl, CH<sub>3</sub>

$C_1 - C_6 -$  (F, Cl, CH<sub>3</sub>) I CH<sub>3</sub>O R1 1 3 C<sub>4</sub> - C<sub>6</sub> - , ( , R2 R3 1 3 ) , F, Cl, CH<sub>3</sub> CH<sub>3</sub>O R3가 .

R1, R2      R3      가      ,      S      R

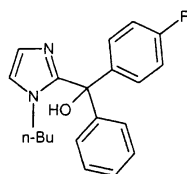
$$\text{Na}^+/\text{H}^+$$
$$\text{Na}^+ / \text{H}^+ = 1$$
$$\left( \frac{[\text{Na}^+]/\text{H}^+}{\text{[Fe/H]}} \right)$$

가

가

가 , 가  
가 .  
가





N - n -

4 -

1

 $\text{Na}^+ / \text{H}^+$ 

( :Ivanovas)

 $\text{Na}^+ / \text{H}^+$ ,  $\text{Na}^+ / \text{H}^+$  $\text{Na}^+$ 

, 6 2%

25IU

2

100 $\mu\ell$  $\text{Na}^+$ 

(mmol/ : 140 NaCl, 3 KCl, 150 , 0.1 , 20 100 $\mu\ell$  pH 7.4 37 , /  
 MgCl<sub>2</sub> / (mmol/ : 112 MgCl<sub>2</sub>, 0.1 ) 3 5M $\ell$   
 2.0M $\ell$

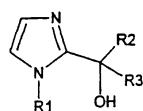
 $\text{Na}^+$  $3 \times 10^{-4} \text{ mol/}$  $\text{Na}^+ / \text{H}^+$  $\text{IC}_{50} (\mu \text{ mol/})$ 

1: 9.3

2: 50

(57)

1.



- ,  
R1 C<sub>1</sub> - C<sub>8</sub> - - (CH<sub>2</sub>)<sub>m</sub> - ( , m 0, 1 2 ,  
F, Cl, CH<sub>3</sub> CH<sub>3</sub>O 1 3 ) ,
- R2 R3 C<sub>1</sub> - C<sub>6</sub> - ( , F, Cl, CH<sub>3</sub> CH<sub>3</sub>O  
1 3 ) ,
- R2 R3 , (C<sub>5</sub> - C<sub>6</sub>) .
2.  
1 , I .
3.  
1 , I .
4.  
1 , I .
5.  
1 , I .
6.  
1 , I .
7.  
1 , I .
8.  
1 , I .
9.  
1 , I .