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(30) 09/965,556
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2001 09 27

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(US)
(SE)

(71)

-11287

(72)

49024

3498

-

08889

15

(74)

:

(54)

5-HT_{1a} (i) , 5 - 1 ; (ii)
가 2

agonist) /

(

(urgency), (enuresis), (hesitancy)
가

(Lower Urinary Tract Symptom: LUTS)

LUTS (need
가
2

to strain to urinate at an acceptable rate),

(5 10%)

가

가

) 가

(cholinergic muscarinic receptor

가

가

(voiding),

(spastic colon),

가

5,382,600

-3-(2- -5-)-3-
) -4- 3,3-

sm and Disposition, 26(4): 289-293 (1998)]

3,3-

(tolterodine)

N,N-

2-[(1R)-3-()-1-

[H. Postlind et al, Drug Metaboli

5,559,269

4,377,584

가

(finasteride), 5 -

4,026,894

(terazosin), -

가

5,990,114

5-HT_{1a}

가

- (i) , 5 - 1 ;
- (ii) 5-HT_{1a} , 2

, 5 -
 , 5-HT_{1a} -
 , 5-HT_{1a} - 5-HT_{1a} , 5-HT_{1a} -

, 1

3,3-

3,3-

3,3-

3,3-

L-

(oxybutynin)

N-

(darifenacin)

3'-

, 1 0.1 100mg

, 2 5-HT_{1a}

, 2 0.1mg 1g

, 1 2

, 1 2

(bladder outflow obstruction),

가

stantly)

- (i) 1 1 ;
- (ii) 2 2 ;
- (iii)

1 2

1 2

(concomi

가

, 5 -

5-HT_{1a}

(serotonin)

5-HT_{1a} -

5-HT_{1a} -

가

(effector)

CNS

가

2

5-HT _{1a}	5-HT _{1a}	5-HT _{1a}	5-HT _{1a}
M3 (trospium), (trospium), (3R)-1-(9CI) 43 CAS 82155841s(1975)	가 (propantheline), (propantheline), (3,4-1-4-	가 (temiverine) YM905 (1:1) 106,6 4-()-2-	가 (ipratr (1S) 106,6 (1:1) 106,6
(S)-2-{1-[2-(2,3-8,1'-)]-3-	가 ()]-3-	가 ()-2-	가 ()-1,1
5,096,890 -2-	5,036,098 3,505,337	3,480,623	[1 H,5 H-
600		3,3-	(: 5,382,
(dutasteride)((turosteride)(5 (5,565,467), (5,155,107),	(finasteride)((epristeride)(4,377,584), (5,017,568)
(doxazosin)(4,188,390), (unazosin)(3,920,636), (abanoquil)(4,315,007), (phentolamine), (dapiprazole), (efaroxan)(4,411,908), (tolazoline),	(indoramin)(3,527,761), (abanoquil)(4,686,228), (phenoxybenzamine), (yohimbine), (corynthanine),	(prazosin)(3,511,836), (naftopidil)(3,99 7,666), (tamsulosin)(4,703,063), (idazoxan)(4,818,764), (dibenzamine), (tamsulosin)	(terazosin)(4,026,894 (b (alfuzosin)(3,99 (trazodone), (trimazosi n), (piper oxan),
(duloxetine)(4,956,388), (sertraline)((norepinephrine) / (reboxetine), [S,S] (Zoloff))		(serotonin)
1 (, 1, 2, 3)			
1	1	1kg	0.05 5mg/kg

(shellac)

2

24

5

가

1

1

2

2

LUTS,

()

가
()

(Retention)

(:),

(

가 가

5-HT_{1a}
2

가
가

5-HT_{1a} 가

가

가

5-HT_{1a}

가 가 가
(hyperreflexia) 가

가

5-HT_{1a}

가

, 5-HT

1

1kg

0.05

5-HT_{1a}
4mg

(,

60kg

3

240mg

- 3 ,
3,3- .
- 5.
4 ,
3,3- .
- 6.
5 ,
- 1 L- .
- 7.
2 ,
가 , , N- .
- 8.
7 ,
가 .
- 9.
2 ,
가 , , 3'- .
- 10.
9 ,
가 .
- 11.
1 10 ,
1 0.1 100mg .
- 12.
1 11 ,
2 5-HT_{1a} .
- 13.
1 12 ,
2 0.1mg 1g .
- 14.
1 13 ,
1 2 .
- 15.
1 13 ,

1 2

16.
1 15

17.
16 ,
가

18.
16 ,
가

19.
16 ,
가

20.
16 ,
가

21.
20 ,
가

22.
16 ,
가

23.
16 22 ,

24. 1 15

25.
24 ,
가

26.
24 ,
가

24 **27.**
가 , .

24 **28.**
가 .

28 **29.**
가 .

24 **30.**
가 .

24 **31.** 30 ,
가 .

32. 가 , 1 15 .

32 **33.**
가 .

32 **34.**
가 .

32 **35.**
가 .

32 **36.**
가 .

36 **37.**
가 .

32 **38.**
 ,

가

32 **39.** 38 ,

32 **40.** 39 ,

32 **41.** 40 ,

1 2 .

32 **42.** 40 ,

1 2 .

(i) **43.** 1 10 1 1 ;

(ii) 1 12 2 2 ;

(iii) ,