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: . (2003-17
 , 2003.4.14.) 2 1 2 [2] . “ (
)” , . (,)

| | 1 | 2 | 3 | 4 | | | | 5 | 6 | 7 | 8 |
|----|---|---|---|---|---|---|---|---|---|---|---|
| | | | 가 | 가 | | | | 가 | 가 | | |
| 1. | | x | x | x | x | x | x | x | x | | |
| 2. | | x | x | x | x | x | x | x | x | | |
| 3. | | | | | | | | | | | |

* : 1 8 5 1 1 8 .

1.

3.

가. - 24

4.

가.

- 1) ,
- 2) SPF
- 3) Hanford

.

- 1)
- 2) Buehler

3) 28

5.

가.

- 1) N-but-3-enylnorbuprenorphine μ -opioid receptor (, μ nociceptin) -N-Oxide
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- 3) Opioid activity profiles indicate similarities between the nociceptin/orphanin FQ and opioid receptors. Eur J Pharmacol 2000 ; 389 : 107-114
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- 5) Nonselective coupling of the human μ -opioid receptor to multiple inhibitory G-protein isoforms. Eur J Biochem 1999 ; 261 : 517-523
- 6) Antinociceptive effect of buprenorphine in μ 1-opioid receptor deficient CXBK mice. Life Science, 1997 ; 60: PL333-337
- 7) The animal pharmacology of buprenorphine, an oripavine analgesic agent. Br J Pharmacol, 1977;60(4):547-54
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- 12) Buprenorphine alleviate neuropathic pain-like behaviors in rats after spinal cord and peripheral nerve injury. Eur J Pharmacol 2002 ; 450: 49-53
- 13) Cloccinnamox antagonism of the antinociceptive effects of μ opioids in

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- 14) Differential down- and up-regulation of rat brain opioid receptor types and subtypes by buprenorphine. Mol Pharmacol 1993 ; 44(1) : 173-179
- 15) Relationship of plasma buprenorphine and norbuprenorphine to withdrawal syndrome during dose induction, maintenance and withdrawal from sublingual buprenorphine. Addiction 1998;93: 549-559

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- 2) Influence of opioid agonists on cardiac human ether-a-go-go-related gene(K+) currents. J Pharmacol Exp Ther 2002 ; 303 : 688-94
- 3) The μ opioid irreversible antagonist beta-funaltrezamine differentiates the discriminative stimulus effects of opioid with high and low efficacy at the μ opioid receptor. Psychopharmacology 1998 ; 140 : 20-28
- 4) The effects of buprenorphine on self-administration of cocaine and heroin "speedball" combination and heroin alone by Rhesus monkeys. Journal of Pharmacology and Experimental Therapeutics 1998 ; 385(2) : 444-456

- 1) 7
- 2) 6
- 3) 가

6.

가.

- 1) 가 TDS(5, 10, 20mg)
- 2) TDS , ,

- 3) TDS
- 4)
- 5) TDS 25 μ g/h
TDS
- 6) 10mg TDS
가
- 7) 2 μ g/hr TDS
가 가
- 8) BTDS
가
- 9) BTDS BTDS
가
- 10) BTDS ,
VITAL SIGN 가 3 ,
- 11) BTDS 10mg Prochlorperazine,
vital sign 가 3 ,
prochlorperazine
- 12) (BTDS)(25 μ g
/hr, 10mg/) , /
- 13) , ,
BTDS VITAL SIGN
가
- 14) 가
- 15) TDS 가

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1)

2) BTDS , :

7

3) BTDS / 1 4 ,

4) BTDS /

5) BTDS +

6) 가

BTDS(12.5, 25, 50 μ g/hr)

7) 7 BTDS 5, 10, 20mg

8) 가 BTDS 5, 10, 20mg

가 run-in , , ,

7.

8.

9.