

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl.7  
A61K 31/11

(45)  
(11)  
(24)

2004 04 28  
10-0427584  
2004 04 06

(21) 10-2003-0005509 ( )  
(22) 2003 01 28  
(62) 10-2002-0054685  
: 2002 09 10

(65)  
(43)

10-2003-0036268  
2003 05 09  
2002 09 10

(73) 103

(72) 4 179-24 5/3

500-9 3

961 11 1101 403

7 15 1106

(74)  
:

(54)

1  
2

[ ] ( ) 가 , , , .

[ ] ( ) (derma-tomycosis) (dermatophyte) (dermato-phytosis), (Tinea) (superficial fungal infection) .(Ribbon, J. W. (1998) Medical Mycology. /n The pathogenic fungi and the pathogenic actinomyces. 2nd Ed. W.B Saunders Company. Philadelphia, London, Toronto.) 가 (Tinea manus Tinea pedis), (Tinea faciale), (Tinea cruris), (Tinea corporis) (Tinea unguium Onychomy-cosis), (microsporum), (epidermo-phyton), (Trichophyton), (candida species), ( *Malassezia furfur* ) (microsporum) (epider-mophyton) (Trichophyton) .(Weitzman, I. and Summerbell, R. C. 1995. The dermatophytes. Clinical Microbiology Reviews 8(2): 240-259) (keratin) (Dermatophytid) 가 .(Brasch, J. and Gottkehaskamp, D. 1992. The effect of selected human steroid hormones upon the growth of dermatophytes with different adaptation to man. Mycopathologia 120 (2): 87-92) ( *Dermatophyte spp*) ( ) (Anthrophillic, ), (Zoophilic, ), (saprophyte) .(Gupta, A. K., Einarson, T. R., Summerbell, R. C. and Shear, N. H. 1998. A North American perspective of Drugs. 55(5): 645-674)

2-4 가 가 , ,

가

가 가 가

1  
1

( *Foeniculum vulgare* ) , ( *Illicium verum* )  
 . ( , , . 1998. , vol. 9, , 5813-5816; vol. 10, 6597-6603.)  
 ( *C. laureirii* ) 가 ( *Cinnamomum sieboldii* ), ( *C. cassia* ), ( *C. zeylanica* ),  
 가 가 가 가

( *Eugenia caryophyllata* ) ( *Syzygium aromaticum* )  
 (clove bud oil)

1 5가

( ), ( ) ( ) (Clear zone)  
 가

가

TC 6346), ( *Trichophyton rubrum* , KCTC 6345), 가 ( *Micosporum audouinii* , KC  
*hyton floccosum* , KCTC 6586), ( *Trichophyton ferrugineum* , KCTC6351), ( *Epidermop*  
 ( *Candida albicans* , KCTC 6586) ( *Trichophyton mentagrophytes* , KCTC 6077)

[ 1 ]

( )			
( <i>Micosporum</i> sp. )	<i>M. audouinii</i>		( )
	<i>M. canis</i>		( )
	<i>M. gypseum</i>		( )
	<i>M. fulvum</i>		( )
	<i>M. cookei</i>		
	<i>M. distortum</i>		
( <i>Epidermophyton</i> sp. )	<i>E. floccosum</i>		, ,
( <i>Trichophyton</i> sp. )	<i>T. rubrum</i>		, , , , , , ,
	<i>T. mentagrophytes</i>		( ) , , , , , , ,

<i>T. ferrugineum</i>		( )	,
<i>T. violaceum</i>		( )	,
<i>T. verrucosum</i>		( )	,
<i>T. tonsurans</i>		( )	
<i>T. schoenleinii</i>		( )	,
<i>T. simii</i>		( )	
<i>T. terrestre</i>			
<i>T. gallinase</i>			
<i>T. megninii</i>			

(derma-tomycosis)  
 (製劑) (硬膏劑), (顆粒劑), (lotiones), (liniments),  
 (limonades), (芳香水劑), (散劑), (syrops), (眼軟膏劑), (液劑), (aer  
 osols), (extracts), (elixier), (軟膏劑), (流動), (浸劑), (煎劑),  
 ), (點眼劑), (錠劑), (坐劑), (酒精劑), (cataplasma), (capsules),  
 ), (troches), (tincture), (pasta) (丸劑)가  
 가  
 50 mg 1 3 1 20 %가 1 10

1:  
 (*Foeniculum vulgare*), (*Asarum heterotropoides*), (*Cinnamomum sieboldii*)  
 (*Eugenia caryophyllata*)  
 (*Foeniculum vulgare*) 300 g, 500 ml 200  
 ml 2 .2 (EYELA autoj  
 ack NAJ-160, Japan)

2:  
 ( )  
 (steam distillation)  
 3 L 가 (heating mentle) 70  
 , (diethyl ether) 40 ml(1/1, v/v) 30 40 ( 38 )  
 2 가 250 g  
 (Na<sub>2</sub>SO<sub>4</sub>) (desiccator)

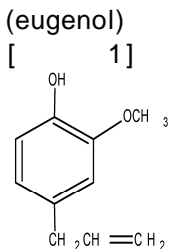
(Toyo No. 2)  
 3:  
 (Korean Collection for Type Cultures, KCTC) (*Trichophyton rubru*  
*m*, KCTC 6345), (*Micosporum audouinii*, KCTC 6346), (*Trichoph*  
*yton ferrugineum*, KCTC6351), (*Epidermophyton floccosum*, KCTC 6586),  
 6) 6 (*Trichophyton mentagrophytes*, KCTC 6077), (*Candida albicans*, KCTC 658  
 (Paper disc diffusion method)  
 (Sabouraud's agar) ( 1)  
 ( 2) (paper disc) 28  
 5 (clear zone) 5 1  
 2

	, mm															
	, mg/															
	50	100	50	10	20	10	10	50	10	10	50	25	10	50	25	10
	11	14	13	8	16	16	28	25	30	25	45	44	28	>50	>50	>50
	10	17	11	9	15	15	27	24	28	26	44	40	27	>50	>50	>50
	9	14	11	9	20	16	37	26	30	24	48	45	37	>50	>50	>50
	9	14	10	8	17	16	35	26	30	22	45	44	35	>50	>50	>50
	10	15	10	9	18	15	30	25	22	25	49	42	30	45	44	42
	12	14	10	9	16	15	28	23	24	20	48	41	28	48	45	44

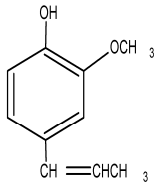
가 10 mm 가  
 2 100 mg 50 mg 50 mg 10 mg 50 mg  
 50 mg 10 mg

4:  
 (1) 12.6 g, (20 g) (800 ml), (800 ml), (800 ml),  
 3.8 g, 0.8 g 2.4 g  
 12.6 g (Merck 230 mesh, 600g, 5.5 x 70 cm)  
 (stepwise gradient, (5:1 ->3:1, v/v))

TLC(Thin layer chromatography) H1(1.4 g), H2(27. g)  
 H3(0.4 g), H4(0.2 g) H1 H2가  
 H2가 H1 H2  
 H2 (Spectra System P2000) (µ Porasil, 19 mm x 300 m)  
 m) 3 ml : (9:1, v/v), 242 nm  
 EI-MS, <sup>1</sup>H <sup>13</sup>C-NMR 1



(2) 1 mg ( 2 )  
 (analytical HPLC, µ Porasil: 10 µm, 3.9 mm x 300 mm)  
 2 ml, 242nm, : 9:1(v/v)  
 (µ Porasil, 10 µm, 19 mm x 300 mm) H1, H2, H3  
 H2 H3  
 (Sigma) (H1, H2, H3) EI-MS H2 H3  
 H2 , H3 2  
 [ 2 ]



5:

[ 3 ]

	, mm											
	, mg/											
	50	10	10	10	10	10	5	2.5	1.25	5	2.5	1.25
	16	9	31	25	28	48	32	30	15	35	23	21
	12	11	31	25	28	38	25	26	15	33	30	23
	13	10	30	24	28	44	25	23	13	25	22	22
	15	9	28	23	27	40	23	25	14	36	18	19
	14	9	25	24	25	35	30	28	14	27	24	18
	13	10	26	22	29	40	31	27	16	28	23	18

3 , 50 mg  
25 mm , 10 mg 가

6:

(1) 5% 가 5  
3 1 ( 0.15 g )

(1) 1 :  
(2) 2 : 가  
(3) 3 :  
(4) 4 :  
1 2 가가  
가

가

가

(57)

1. ( ) , -  
( *Microsporum sp.* ) .
2. ( )
3. ( )
4. ( ) -  
( *Epidermophyton sp.* ) .

