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615.322:547.56

Plantago major Plantago lanceolata.

- Plantago major Plantago lanceolata.

**O.P.Madychuk, P.I.Sereda, N.P.Maxutina**  
**STUDY OF PHENOL COMPOSITION IN ROOTS OF PLANTAGO MAJOR AND PLANTAGO LANCEOLATA**

**Key words:** Plantago major, Plantago lanceolata, flavonoids, phenolcarbolic acids.

The phenol composition of *Plantago major* and *Plantago lanceolata* was investigated by HPLC techniques. Due to this method the differences of the contents of the phenol substances in the roots of *Plantago major* and *Plantago lanceolata* have been revealed.



: 582.998.16:633.88:615.03:616.936:616.006

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- 2 . . . , . . . " . . .
- 3 . . . , . . . " . . .

**(ARTEMISIA ANNUA L.) -**

(*Artemisia annua* L.)  
 ( ) (Asteraceae). 300 Artemisia -  
 1 ( 2 . -  
 ). , , , - ( , -  
 , - - , ) .  
 , , 3-5 , (0,1-0,64 %).  
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 , , , , ,  
 ( ). -  
 , , , , ,  
 , , , , , 45 Xue Feng ,  
 , , , , , 90 % -  
 , ,

(Plasmodium), Multi-

1970-

vivax Plasmodium falciparum, Plasmodium

Schistosoma mansoni S. japonicum capillaris (2000

Toxoplasma gondii Leishmania major, P. carinii Pneumocystis carinii ) [4].

P. carinii 90 % ( [8]. ) (> 10 %).

( ) 1998 P-arteether,

falciparum, Plasmodium [8].

17 1940-

168 " "

(ATS) ( 1970- (340 . . . ), (DHA) ); (ATM) dihydroqinghaosu (DHQHS). Artemether-Plus (Artemether + Lumefantrin) -

[3].

(

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[10].

(Narendra Singh)

(Henry Lai)

16

1997

[11]

(DHA)

( )

[1].

[ , 16, 17].

55

Tomikazu Sasaki  
Henry Lai Narendra Singh  
( )

(non-Hodgkins lymphoma

(NHL)

[6].

[2].

Plus™ ( - Arteminin, B-Artemether

2001 )  
(

Artusenate)

8 -77210).

100%-

49,1 %, 48,7 %, 46,6 %.

( 1000

45 % [1].

( )

Plus™

[6].

2 [1].

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[7].

( 24.4-03079829-004:2008).

53

(10-15 )

10

[5].

Artemisia annua L.

( ),

Agrobacterium tumefaciens.

Agrobacterium

40 ° . . . 40 ° . . .

(0,22 /100 )

Fe+3 Fe+2,  
[4].

[4].

Schistosoma spp. (

).

( )

[4].

devrinol (2,2 / )

/

(0,9 %),

1 %

6-7

> 1,3

%.

[1].

5,5 6,5.

67 / .

0,5

1 %

1.

2.

Plasmodium.

3.

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18.02.2012

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(ARTEMISIA ANNUA ) -

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(ARTEMISIA ANNUA L ) -

**V. I. Lushpa, A. A. Medvedev, T. M. Medvedeva  
ANNUAL WORMWOOD (ARTEMISIA ANNUA L.) IS A UNIQUE  
MEDICINAL HERB IN WORLD MEDICINE**

**Key words:** medicinal herbs, *Artemisia annua* L, pharmacology, malaria, oncology, phytotherapy.

The review contains the information about the history of the use of annual wormwood in medicine, its chemical composition and the results of up-to-date research activities on its global use in the treatment of various forms of malaria as well as in oncology.

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[1].