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Arundo donax o'simligining yer ustki qismi alkaloidlari yig'masi va piratsetamning nootrop faolligini qiyoslash

December 2023

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Abstract

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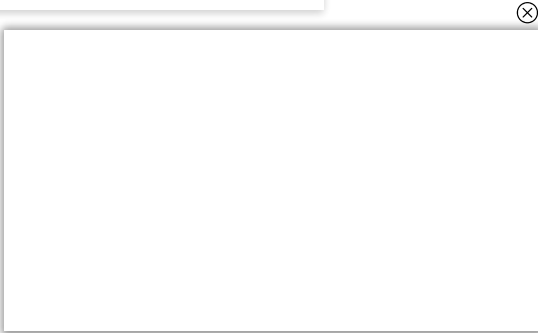
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Poster

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Donsumin 2023 Turkey

November 2023

Y. R. Mirzaev · E M Ruzimov · Botirov R.A. · [...] · I. Zh. Zhalolov

Donsumin is fraction of indole tryptamine alkaloids isolated from Arundo donax L consists of Donaxine, Donaxamine, Arundine, Ardine. Of these, only Donaxine according for 55-85% of the composition has been pharmacologically studied, Previously, it was established that Donsumine revealed elements of nootropic action in the form of increased motor activity, increased search and research activity ...

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PECULIARITIES OF THE PSYCHOTROPIC ACTIVITY OF DONSUMIN

March 2023

Y. R. Mirzaev · E M Ruzimov · Botirov R.A. · [...] · S. F. Aripova

It has been established that donsumin, the sum of four indole alkaloids of the tryptamine series from the aboveground parts of Arundo Donax, is a blocker of 5HTA2 D receptors. The alkaloid at a dose of 1 and 10 mg/kg increased motor activity by 12 and 280% (MA) and increased verticalization from phenamine. At a dose of 30-50 mg/kg, activation alternated with periods of sedation, 100 mg/ kg caused ...

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About The Nootropic Properties of Donsumine

September 2023 · Journal Healthcare Treatment Development

Y. R. Mirzaev · E M Ruzimov · Botirov R.A. · [...] · I Zhalalov

Previous studies of Donsumine showed that Donsumine at doses of 3, 5, 10 mg/kg enhances motor activity (MA), verticalization, and at a dose of 100 mg/kg reduces it by 60%. It was also established that Donsumine at doses of 3 and 30 mg/kg enhances the activation of MA and verticalization caused by phenamine, the increase in MA persists until the end of the experiment, and when canceled it is ...

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Evaluation of the Effect on the Nervous System of Substances with an Alkaloid Structure Having Antit...

October 2022 · Journal Healthcare Treatment Development

Y. R. Mirzaev · E M Ruzimov · T.T. Хамроев · [...] · Shahobiddin Adizov

Indole alkaloids including sedative activity of pyrazolone iodine methylate and pyrazolone chloride were caused by alcohol sleep and feeling against arousal or fear effects were studied by the Sonberg method. In this study, pyrazoline iodine methylate and pyrazaline chloride reduced sleep time by increasing the sleep time caused by alcohol, in the Sonberg method, the excretion of urine and ...

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