

BRONCHIPRET® – OPPORTUNITIES OF USE

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The modern pharmaceutical industry, due to a number of factors, prefers creating drugs from chemical-synthetic sources. But despite this, the production of herbal medicines also has a market niche. Moreover, even nowadays, studies of new ways for getting herbal medicine goes on. Thanks to the efforts of Bionorica company specialists, a new level of phytoterapy was reached and it is called phytoniering.

Phytoniering is researching and further development of plant compounds (phyto) using innovative production processes and modern methods (engineering). Especially active for symptomatic treatment of colds herbs are used. Drug Bronchipret is well established in this sphere of application. The main components of Bronchipret are - extract of the thyme herb (*Herba Thymi*), ivy leaf extract (*Hederae helicis*) and primrose root extract (*Radix Primulae*). This combination allows to deal effectively with cough, sputum is liquefied to facilitate coughing, inflammation is docked eliminates bronchospasm and facilitates breathing. Plant components that Bronchipret consists of have sekretolitic (mucolitic), antibronhospazmolitic antiviral and antimicrobial effects. Standardized manufacturing process ensures stable chemical, physical and organoleptic properties in composition of every component. Low temperature vacuum extraction technology and appropriate plant material ensure receipt of active substances. Using these drugs in ENT practice not only improves the flow of the disease but also contributes to a more rapid recovery of the patient as in monotherapy as in complex therapy. Moreover, the use of the drug in antibiotic therapy can reduce the side effects of this group of drugs. The drug easily eliminated from the body, and during injection of thymol (which is part of the essential oil of thyme) it is created a unique effect of inhalation inside.

Bronchipret® drug was first produced only in tablet form, later - due to improved technology procurement and production is part of the extract of plant material, two dosage forms were created: syrup and drops. Buscopan with standartised composition to optimizes usage of the drug, depending on the patient. We conduct an experimental study of the major types of pharmacological activity Bronchipret in various dosage forms, suggests the appropriateness of dosage forms of the drug in the treatment of diseases of the respiratory system at different stages of development and the nature of the disease. Prediction of the pharmacological activity types in the composition of the active ingredients of the drug by dint of correlation analysis showed the presence of additional types of actions, which expands the range of applications.