

DEVELOPMENT THERAPEUTIC AND PROPHYLACTIC MEDICINES ON THE BASES OF THE DRONE BROOD

Lahlifi Abdelkbi, Benomar Reda, Berhruz Zainuddinov,
Bogutska O.Ye, Tikhonov O. I.

The National University of Pharmacy, Kharkiv, Ukraine

The development new therapeutic and preventive agents with a wide range of pharmacological actions on the basis of natural raw materials is priority scientific direction of the Chemist's Technology of Drugs Department of the National University of Pharmacy. In a study of such objects used various bee products.

In previous work, we have presented materials about the prospect of creating drugs based on biomass of the moth larvae bee. The result of these studies was the creation of tincture «Gretavosk».

One of such objects of study in our opinion is the drone brood. The beekeepers are used an unusual product - drone larvae for a long time. To date, the prospect of creating as drugs and food additives physiological have insufficiently studied. Primary sources of scientific data are scarce.

Medicinal properties of drone brood described in several works papers (A. Smirnov, K. Chernov, I. Iorish, N. Ilieshiu, V. Alexandru, I. Malaya, E. Ludyanskiy, T. Vahonina et al.).

This product is appreciated for the strongest bio-stimulating properties. In some countries, such as Japan, these bee products are very popular. Various bee products are distributed as healthy food for children in the schools. The drone larvae used in the form of special food, it's cooked, packed in glass and metal containers and sold in the stores. The various dishes prepared from these larvae that count tasty and useful. The drone brood is preserved with soya's sauce and used as a as the spices or fried.

Taking into account the above, we concluded that the drone brood is a promising object of research for development the drugs and physiological food. Given the characteristics of this material, its thermolability, the largest amount of biologically active compounds can be saved only by using gentle technology. At this stage, the researches of the creating freeze-dried substance are carried out. On the basis of a lyophilized powder perspective plan to create a variety of dosage forms.

Given Ukraine's integration into Europe, where safety of medicine's occupies a leading position in the development of drugs, one of the advantages of the developed substance is its safety, as the creation of not only effective, but also the most secure drug is an urgent task of Pharmacy.