

JUSTIFICATION OF THE EXPANIENCE OF *TANACETUM PARTHENIUM (L.)* HERB STANDARDIZED MEDICINES CREATION

Mishchenko O. Ya., Kirichenko I. V.

National University of Pharmacy, Kharkiv, Ukraine

Herbal remedies are widely used to relieve pain as an adjunct therapy. However, many herbal remedies are not standardized, the composition of the components may differ significantly from the label and from batches of the same remedy. Patients taking herbal medicines should be warned about the side effects, interactions with other medicines and the potential contamination of these medicines. Given the above, it is important to create standardized herbal remedies, such as extracts (dry, thick), which contain a standardized composition of biologically active substances, and experimental justification of their pharmacological activity at the stage of preclinical study.

According to scientific sources, it is known that *Tanacetum parthenium* (L.) herb has anti-inflammatory, cardiogenic, antipyretic and antispasmodic effects. In folk medicine, this plant is actively used in the form of infusions for the treatment and prevention of migraine, dizziness, rheumatoid arthritis, menstrual disorders and other inflammatory diseases.

The main group of biologically active substances of *Tanacetum parthenium* (L.), which determines the biological effect, are sesquiterpene lactones, namely parthenolide.

Given these data and significant raw material resources of *Tanacetum parthenium* (L.) in Ukraine, at the Department of Botany of the National University of Pharmacy under the leadership of prof. T. M. Gontova thick extracts (lipophilic and hydrophilic) were created from the herb of this plant.

In order to determine the biological activity of the obtained extracts, the study of their analgesic effect was carried out in experimental tests on laboratory animals.

It was found that thick extracts (lipophilic and hydrophilic) of *Tanacetum parthenium* (L.) herb show the ability to increase the threshold of pain sensitivity in laboratory animals. The obtained data need further research.

Thus, based on the results of the literature sources analysis and primary laboratory tests, the expediency of further pharmacological research of the developed new extracts from *Tanacetum parthenium* (L.) herb is substantiated.