

**МІНІСТЕРСТВО ОХОРОНИ ЗДОРОВ'Я УКРАЇНИ
БУКОВИНСЬКИЙ ДЕРЖАВНИЙ МЕДИЧНИЙ УНІВЕРСИТЕТ**



МАТЕРІАЛИ

**106-ї підсумкової науково-практичної конференції
з міжнародною участю
професорсько-викладацького колективу
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Матеріали підсумкової 106-ї науково-практичної конференції з міжнародною участю професорсько-викладацького колективу Буковинського державного медичного університету (м. Чернівці, 03, 05, 10 лютого 2025 р.) – Чернівці: Медуніверситет, 2025. – 450 с. іл.

У збірнику представлені матеріали 106-ї науково-практичної конференції з міжнародною участю професорсько-викладацького колективу Буковинського державного медичного університету (м. Чернівці, 03, 05, 10 лютого 2025 р.) зі стилістикою та орфографією у авторській редакції. Публікації присвячені актуальним проблемам фундаментальної, теоретичної та клінічної медицини.

Загальна редакція: професор Геруш І.В., професорка Годованець О.І., професор Безрук В.В.

Наукові рецензенти:

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5% of the foreign market share. Poland offers moderately priced and reliable products, making their products accessible to a wide range of consumers.

This distribution demonstrates the important role of foreign companies in the pancreatin market, providing consumers with a wide choice and promoting healthy competition.

Conclusions. Pancreatin preparations have a wide range on the pharmaceutical market of Ukraine, including various dosage forms and manufacturers. Domestic preparations constitute a significant portion of the market, although foreign products are also widely represented. Patients and healthcare providers need to consider not only the efficacy and safety of the preparations but also their availability and cost. Further studies may focus on assessing the pharmacoeconomic effectiveness of pancreatin preparations and their impact on the treatment process.

Kostyshyn L.V.

CONTENT OF TANNINS IN THE RAW MATERIALS OF SAPONARIA OFFICINALIS

*Department of Pharmaceutical Botany and Pharmacognosy
Bukovinian State Medical University*

Introduction. Tannins (tannoids) are a group of high-molecular natural compounds of a polyphenolic nature, which are genetically related to each other. Their property exhibits the ability to condense protein molecules in the upper layers of the skin or mucous membranes. In addition, tannoids have an astringent, anti-inflammatory and antimicrobial effect. Therefore, the search for domestic plant sources of tannins is urgent.

Saponaria officinalis is a medicinal perennial herbaceous plant of the carnation family. Widespread throughout the territory of Ukraine, it grows as a weed on the edges of forests, meadows and river valleys and is cultivated as an ornamental plant. It has anti-inflammatory, antimicrobial, diuretic and expectorant effects.

The aim of the study. To conduct a study on the content of tannins in the raw materials of medicinal *Saponaria officinalis*.

Material and methods. The object for research was the herb and roots with rhizomes of *Saponaria officinalis*. The herb was harvested in the summer during the phase of mass flowering (July-August), and the roots with rhizomes in the autumn (October-November). The determination of tannins was carried out using the method of high-performance liquid chromatography (HPLC).

Results. HPLC analysis of the raw materials of soapwort showed the quantitative content of the following components of tannins: halocatechin – 5838.14 µg/g and epicatechin – 155.75 µg/g. Only epicatechin – 174.77 µg/g was found in roots with rhizomes.

No catechins and pyrocatechins were detected in all the studied samples from the raw material of soapwort; in grass-epicatechin gallate, and in roots with rhizomes - epicatechin gallate and epicatechin.

According to the literature, it is known that gallocatechin exhibits anti-inflammatory activity, and epicatechin has antioxidant activity.

Conclusions. Therefore, the component composition of the tannins of the medicinal herb and rhizomes and roots was investigated by the method of high performance liquid chromatography. It was established that the raw material of the studied species contains epicatechin and epicatechin gallate. Therefore, taking into account the research data we received, it can be assumed that the herb and roots with rhizomes of the *Saponaria officinalis* can be studied in the future for the further creation of new medicinal forms and means of domestic production.