

СУЧАСНІ ДОСЯГНЕННЯ ФАРМАЦЕВТИЧНОЇ НАУКИ В СТВОРЕННІ ТА СТАНДАРТИЗАЦІЇ ЛІКАРСЬКИХ ЗАСОБІВ І ДІЄТИЧНИХ ДОБАВОК, ЩО МІСТЯТЬ КОМПОНЕНТИ ПРИРОДНОГО ПОХОДЖЕННЯ

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***ONOPORDUM ACANTHIUM* - A PROSPECTIVE DOMESTIC SOURCE OF MEDICINAL RAW MATERIALS**

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Introduction. The search for new accessible sources of medicinal plant raw materials has been and remains one of the urgent tasks of domestic healthcare. Special attention is currently being paid to plants cultivated as food or ornamental plants, and weeds. The latter have excellent resistance to negative environmental conditions and high reproducibility.

A large number of representatives of the *Asteraceae* family are weeds. One of these is the prickly thistle *Onopordum acanthium* L. This is a biennial herbaceous plant with a significant growth area. In traditional medicine, roots, leaves, grass, baskets and fruits (seeds) are used. Powerful antioxidant, diuretic, antihypertensive, anti-inflammatory, antitumor and cardiogenic properties [1-3] cause the attention of researchers from different countries of the world. These aspects of biological activity are associated with the chemical composition; with the presence of triterpenoids, sesquiterpene lactones, lignans, various groups of phenolic compounds, in particular hydroxycinnamic acids, flavonoids, anthocyanins.

The prospect of using plant raw materials *Onopordum acanthium* is the use of the obtained extracts for and for the prevention of various types of tumors.

Materials and methods. The plant raw material *Onopordum acanthium* was purchased in January 2026 on marketplaces (manufactured by “Sednivski travy”, “SoyuzAfgan”, “Greenmilya”, “Svit trav”, “GreenDay”, TM “Chlorophitum”, “Travy zhitytya”). To quantitatively determine the amount of polyphenols in terms of pyrogallol, the method of StPhU 2.0 of the monograph “*Millefolii Herba*” was used.

Results and their discussion. The results of determining the quantitative content of polyphenols in terms of pyrogallol in the herb *Onopordum acanthium* allowed us to determine the limit limits of this indicator - not lower than 2.4%.

Conclusion. These studies are the first step in the pharmacognostic study of different types of raw material *Onopordum acanthium* with the subsequent creation of substances with different directions of action.

References

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