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A.V. Gudzenko

RESEARCH OF DRUGS AND PLANT MIXTURES OF FLOWERS OF MATRICARIA RECUTITA L.

Key words: Matricaria recutita L. flowers, apigenin, luteolin, multicomponent plant composition, HPLC

The procedure of the HPLC analysis of apigenin and luteolin in Matricaria recutita L. flowers is offered. 6 series of products of Matricaria recutita L. flowers from different manufacturers were analyzed with use of the developed procedure. It was determined that according to the presence and content of apigenin and luteolin Matricaria recutita L. flowers could be standardized in mixtures of plant raw materials with the following: Crataegus sanguinea Pall. fruits, Urtica dioica L. leaves, Polygonum aviculare L. herbs, Cichorium intybus L. roots, Quercus robur L. cortex, Calendula officinalis L. flowers, Rosa cinnamomea L. fruits, Taraxacum officinalis Web. roots, Hypericum perforatum L. herbs and Linum usitatissimum seeds.

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J.A. Fedchenkova, O.P. Khvorost, V.V. Maly
RESEARCH OF ANATOMIC STRUCTURE OF RAW
MATERIALS GENUS ACER L. (ACERACEAE)

Key words: anatomic structure of leaves, Acer negundo, Acer platanoides, Acer campestre

The anatomy structure of leaves of Acer negundo, Acer platanoides, Acer campestre was studied. The distinctive features of the anatomical structure of leaves of species were types and the localization of trichomes, especially the placement of conductive tissues in the central vein and petiole, and the presence of calcium oxalate crystals. The finding will be used for the development of conformable sections of AND on a leaf of Acer.

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