

Actual aspects and specificity of birch pollen allergen extract standardization, in particular, as biological drug the production of which is based on native raw materials

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Abstract

Species of birch *Betula* L., (Fam. Birch – *Betulaceae* L.) are among the most popular medicinal plants which are widely used in medical practice. Currently, a number of effective medications based on the birch (*Betula pendula* Roth.) raw medicinal plant materials have been received. Allergen extract has been similarly prepared from birch pollen – a biological preparation used for allergen-specific immunotherapy. At the moment the question of unbiased assessment of qualitative and quantitative characteristics of the biological drug and natural raw materials from which it is made, is still not fully resolved. In this paper we detail the methodological techniques that help to find a solution to this problem.