

To the question of standardization of the polyextract dry “*Hippophae-5*” having adaptogeny and anti-inflammatory activity

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Keywords: biologically active substances, standartization, polyextract.

Abstract

In an arsenal of the Tibetan medicine at diseases of respiratory organs multicomponent medicines which part plants from flora of *Byryatia* are used. Collecting (the conditional name “*Hippophae-5*”) includes the following herbs: fruits of *Hippophaerhamnoides* L.) fruits of *Piper longum* L. root *Glycyrrhizauralensis* Fisch., root *Phlojodicarpussibiricus* (Stephan ex Spreng) Koso-Pol. Tausch (roots), fruits *Malussylvestris* Mill. There are components of anti-inflammatory action a *Glycyrrhiza*, *MalusPhlojodicarpus*; antioxidant – a *Glycyrrhiza*, *Hippophae*, *Piper*, *Malus*; immunomodulatory – a *Gglycyrrhiza*, *Malus*; antibacterial – the *Glycyrrhiza*, a *Hippophae* promoting increase in resistance of an organism. The rematseration method taking into account optimum parameters of extraction has received the complex polyextract consisting of dry extracts of fruits of a *Hippophae hamnoides* L., fruits of *Pepper*, roots of a *Glycyrrhizal*, roots of a *Phlojodicarpus* and fruits of *Malus* the mass parts 2:2:1:1:1 taken in the ratio, respectively. The HLH method in polyextract dry has installed existence of six marker components which raw source is the *Phlojodicarpus* (visnadin), *Pepper* (piperin), a *Glycyrrhiza* (likvirin, glycyrrhizic acid), *Malus* (catechin). The dominating compounds of *Hippophae-5* extract, are glycyrrhizic acid which content was 27.4 mg/g; on a share of benzopyrones (visnadin), 7.65 mg/g from the mass of dry extract, are the share of a share of a piperin – 2.23 mg/g, respectively and of a catechin share – 0.52 mg/g. The technique of quantitative determination of content of glycyrrhizic acid is developed (24.15%) in polyextract dry which can be used for standardization of this object.

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