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To phytochemical research of new remedy

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Abstact

Dry extract was obtained from the rhizomes of *Potentilla alba* L., rhizomes of *Scutellaria baicalensis Georgi* and roots of *Rhodiola rosea* L. by the remaceration method. The presence of gallic acid, procyanidin B1, rosavin, rosin, baicalin, rosiridin, norwogonoside, wogonoside, baicalein, wogonin was established by HPLC method in the extract. The technique of quantitative determination of flavonoids sum calculated on baicalin was developed for the extract. The sum content of flavonoids in the extract was 5.312%.

References

[1] E.V. Arkhipova. Effect of extract of Potentilla alba L., and comprehensive means "Tireoton" on the course of experimental hypothyroidism. *PhD Thesis in Med. Sciences. Ulan-Ude.* **2012**. 18p. (russian)
[2] The State Pharmacopoeia of the USSR. XI Ed., part 2, *Moscow.* **1990**. P.364-365. (russian)
[3] A.V. Zachary. Research Potentilla alba, as a promising agent for the treatment of diseases of the thyroid gland: *author. diss ... cand. biol. sciences. Lions.* **1997**. 24p.
[4] D.N. Olennikov. Development of technology for the dry extract of plantain. *Chemistry of Plant Raw Materials.* **2006**. No.1. P.49-54. (russian)
[5] E.I. Prikhodko. Treatment of patients with thyrotoxicosis grass pestrach white. *Medical Business.* **1976**. No.6. P.66-71.
[6] D.N. Olennikov, N.I. Kashchenko, N.K. Chirikova. A Novel HPLC-Assisted Method for Investigation of the Fe2 + -Chelating Activity of Flavonoids and Plant Extracts. *Molecules.* 19. **2014**. P.18296-18316.
[7] D.N. Olennikov, N.I. Kashchenko, N.K. Chirikova, S.S. Kuz'mina. Phenolic Profile of Potentilla anserina L. (Rosaceae) Herb of Siberian Origin and Development of a Rapid Method for Simultaneous Determination of Major Phenolics in P anserina Pharmaceutical Products by Microcolumn RP-HPLC-UV. *Molecules.* 20. **2015**. P.224-248.