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ISOLATION AND STUDY OF EFFECT OF CYCLOARTAN GLYCOSIDES ON METABOLIC PROCESSES IN CARDIAC MUSCLE OF EXPERIMENTAL ANIMALS

Abstract. The paper describes the preparation of Astragalus janischewskyi extract and defines cycloartane glycosides. Experimentally in male rats (180–200 g), 10 daily oral administration of this extract (10 mg/kg) and riboxine (50 mg/kg) has been found to promote the activation of metabolic processes in cardiac muscle. In terms of the effect on carbohydrate-energy and lipid exchanges, the tested extract Astragalus janischewskyi is not inferior to riboxine, in terms of antioxidant action it is reliably superior to the effect of the reference preparation used.

Keywords: Astragalus, cycloartane glycosides, qualitative and quantitative analysis, metabolic processes.

Introduction: Genus Astragalus, cem. Leguminosae, has about 2.500 species and in this regard has no equal among flowering plants. This genus is also one of the largest in the flora of Central Asia. In the territory of the Republic of Uzbekistan, 254 species of this plant grow [1].