

PP39. ETHYL β -D-GLUCOPYRANOSIDE FROM *RUMEXTIANSCHANICUS*

N.M. ASHIRMATOVA, K. A. ESHBAKOVA , K.K. TURGUNOV, B. TASHKHODZHAEV

Institute of the Chemistry of Plant Substances named after Acad. S.Yu. Yunusov

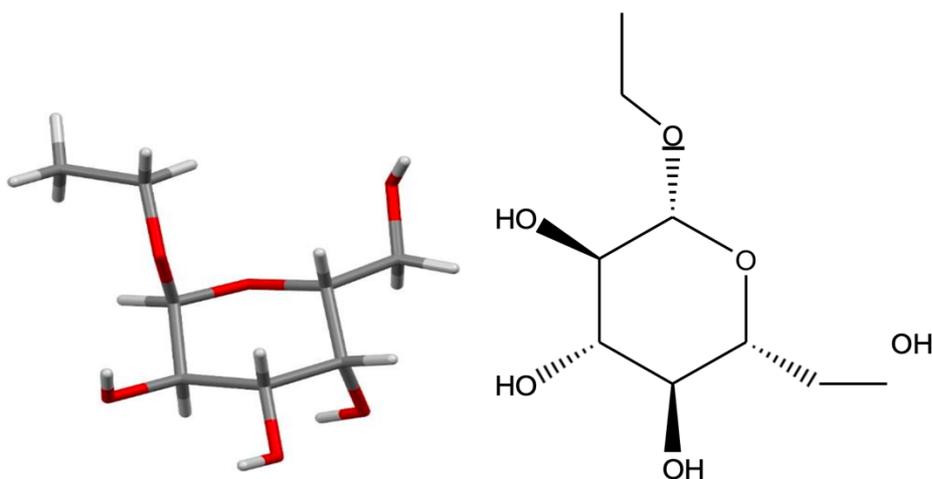
Academy of Sciences of the Republic of Uzbekistan, 700170, Tashkent, 77

M.Ulugbekave., fax (99871) 120 64 75

*Corresponding Author. E-mail: e_komila@yahoo.com

Rumex tianschanicus is an important medicinal plant in Uzbekistan. The activity of the underground parts of the leaves of the plant was studied using traditional medicine. Infusion and alcoholic extract are used for treatment. Fruits are used to treat dyspepsia in children. The object of research is the *Rumex tianschanicus* plant growing in Khojaariq village, Sariosiya district, Surkhandarya region.

Above-ground part of dried plant of *Rumex tianschanicus* was extracted with 70% ethanol and obtained four fraction: Extraction benzene, chloroform. ethyl acetate and n-butanol. All fractions studied antibacterial activity. n-Butanol fraction showed highly antibacterial activity. The n-butanol fraction subjected to column chromatography with silica gel, by the system chloroform-methanol 50:1. In the chloroform methanol 25:1 system isolated one compound glucose characteristic and the crystal was grown. Its structure was determined using x-ray structural analysis (RSA). This is a known substance, but it was obtained for the first time from *Rumex tianschanicus*.



Ethyl β -D-glucopyranoside