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**GLYCOCHEMISTRY AND ANTITUMOUR ACTIVITY OF ADDUCTS OF
BACTERIAL LECTINE AND 5-NITROURACILE**

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A new convenient methods for the preparation with 18-crown-6-complex and original heterocyclic compounds (**I-IV**) on the base of 5-nitrouracile and fluorosinton – florotan or 1,1-diethylcarboxy-2-chloro-2-threefluoromethylethyl described. The method reported for the synthesis of the bis-derivative of (scheme 1) is based on the reaction which involve elimination of fluorine formation of the intermediate 1,1-difluoro-2-bromo-2-chloroethene which nucleophilic molecules. *The structure of synthesized compound has been confirmed of elemental analysis, IR- and ¹H-spectra.* Molecular adduct of the bis-antitumor bacterial lectine *Bacillus polymyxa* 102 KGU was obtained. It was derivatives of 5-nitrouracile (**I-IV**) which synthesized; molecular adduct of with Lectine 102 applies to a little toxic preparations: its LD₅₀ are at the interval mg/kg to 185 mg/kg. A strongly antitumor effect of bis-adduct heterotransplantates of mans glioma cancer with **percents of growth relaxation 27, 48%** has been discovered (the criteria are ≥25%). A strongly antitumor molecular adduct (bis-adduct **I**– Lectine 102) on Carcinosarcoma Wokera 2 **percents of growth relaxation of tumor mass 79, 27%** (the criteria are ≥ 25%) registered.

Keywords: bacterial lectine, 5-nitrouracile, florotan, tumour.



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