

ABSTRAKT

Treatment of cancer still requires searching of new antineoplastics. Studies of biological activity of natural products show, that wide spektrum of biological aktivty have α,β -unsaturated- δ -laktone as potential substance with cytostatik aktivty. Goal of this work is optimalization of synthesis of 3-(4-bromfenyl)-5-hydroxymethyl-5,6-dihydro-2H-pyran-2-one as analogue of biologically active substance with potential cytostatic effect against cell line of colorectal carcinoma. Results obtained from this work can be employed in the development of simpler and more economical synthesis of potential biologically active analogues of α,β -unsaturated- δ -lactones.