ABSTRAKT

Treatment of cancer still requires searching of new antineoplastics. Studies of biological activity of natural products show, that wide spectrum of biological activity have α,β-unsaturated-δ-lactones as potential substance with cytostatic activity. Goal of this work is optimization of synthesis of 3-(4-bromphenyl)-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.