

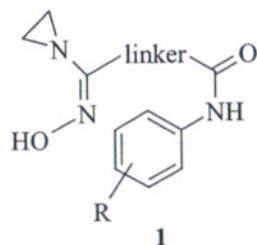
XVth Conference on Heterocycles in Bio-organic Chemistry - 2013

## SYNTHESIS AND BIOLOGICAL EVALUATION OF AZIRIDIN-1-YL OXIMES AS POTENTIAL ANTITUMOR AGENTS

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In our effort to discover and develop potential anticancer agents, we synthesized a series of aziridin-1-yl oximes **1** derivatives. A preliminary study of SAR of **1** suggested that substitution on *p*-position of aniline core increases the cytotoxic activity.



For this reason and also in order to obtain SAR of *p*-substitution at aniline core we have extended the range of analogues of **1** and evaluated their cytotoxic activity on several cancer cell lines.

The results obtained allowed us to provide a hypothesis for further structure optimization of aziridin-1-yl oximes **1**.

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EIROPAS SAVIENĪBA

