ABSTRACT

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Evaluation of activity of potentional antifungal substances through the use of microdilution broth method II

Diploma thesis

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Background: The aim of this thesis was to test substances with potential antifungal effect. We tested a totally 10 cathegories of substances: anilides of pyrazincarboxyl acid, arylaminopyrazines, pyrazin-2.3-dinitriles, pyrazincarboxyl acid esters, derivatives of (Z)-5-arylmethyliden-2-thioxothiazolidin-4-on, cholesterol and alkane acids esters, derivatives of thiosalicylamid , diamides, styrylbenzoxazoles, benzoxazepin-diones.

Methods: The assesment was carried out using the microdilution broth method.

Results: The most striking antifungal activity exhibit derivatives of thiosalicylamid for which MIC values were very low in almost all scale of concentration for all tested fungi.

Conclusions: We found that the greatest antimycotic activity is manifested with the substitution of a halogen, mostly by chlorine.