

SUMMARY

Derivates of pyrazine as potential drugs III

Degree paper

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The aim of this degree paper was to synthesise a series of derivates of pyrazine-2-carboxylic acid. In the concrete it was the series of substituted 3-phenylaminopyrazine-2,5-dicarboxamides. The substances were synthesised by common synthesis, they were characterised by their physicochemical properties (melting point, lipophilicity), IR spectroscopy and ^1H and ^{13}C NMR spectroscopy. The synthesised substances were tested in USA for anti-tubercular activity by TAACF. The results of *in vitro* testing were good, but not enough for the further testing *in vivo*. They were also tested on the Faculty of Pharmacy against fungi. No activity was found.