Mgr. Zdeněk Osička:

Pyrazine Derivatives as potential antituberculous drugs

I have focused on the synthesis of compounds from the class amides of substituted pyrazinoic acid in my Pharmacy Doctor Thesis. Series of compounds were prepared by the reaction of pyrazinoic acid chloride with corresponding amines. Synthesis underwent in two steps. Final compounds were characterized by the melting point, TLC, elementary analysis, 1H a 13C NMR and IR. All compounds were liable in vitro testing on their biological activity – antimycobacterial, antifungal and antibacterial. In the group of antituberculosis testing the activity grew up from the least to the most lipophility compound.