

Abstract

VOSÁTKA, Rudolf., *Synthesis of salicylanilide esters active against MDR-TB*, Hradec Králové: Faculty of Pharmacy of Charles University, 2013, 54 s, Diploma thesis.

This diploma thesis deals with the synthesis and activity of salicylanilides and their esters against MDR-TB. Specifically, 4-bromo-3-(trifluoromethyl) aniline, 3,5-bis(trifluoromethyl) aniline and their esters as isonicotinates, pyrazincarboxylates and 1H-imidazole-4-carboxylates. Moreover, there is also 5-chloro-N-(3,4-dichlorophenyl)-2-hydroxybenzamide, which inter alia demonstrates the best MIC compared to other synthesized substances.

Thesis summarizes problems of tuberculosis, its current treatment and supplementing to the current trend in the development and research on specific examples of potential drugs. Much of this thesis deals with salicylanilides.