

Annotation

Alabed, Anwar. *Synthesis of salicylanilide esters with antibacterial activity* Hradec Králové, Faculty of Pharmacy, Charles University, 2013

This diploma thesis is concerned with synthesis of salicylanilides and their esters. Namely *N*-[4-Brom-3-(trifluormethyl)phenyl]-5chloro-2-hydroxybenzamide and *N*-[3,5 Bis(trifluormethyl)phenyl]-5-chloro-2-hydroxybenzamide were produced and then we tried to synthesize their esters as isonicotinates and pyrazincarboxylates to enlarge the series of salicylanilid esters for structure - antibacterial activity studies.

This thesis summarizes the problems with tuberculosis, its therapy, development and modern therapy in preclinic and clinic phase, which has potential to treat TBC. Most of this thesis is concerned with salicylanilides, their potential and problems.