



CHARLES UNIVERSITY  
Faculty of Pharmacy  
in Hradec Králové

## Report on part of state final examination Defence of master's thesis

Academic year: 2023/2024

**Student's name and surname:** Fahim - Joe Rahi  
**Student's ID:** 30302367

**Type of the study programme:** Master's  
**Study programme:** Pharmacy  
**Branch of study:** Pharmacy  
**Study ID:** 545961

**Title of the thesis:** Design, synthesis and evaluation of heterocyclic compounds with potential antimicrobial activity III  
**Thesis department:** Department of Pharmaceutical Chemistry and Pharmaceutical Analysis (16-16190)

**Language of the thesis:** English  
**Language of defence:** English  
**Advisor:** doc. PharmDr. Jan Zitko, Ph.D.

**Reviewer(s):** PharmDr. Marta Kučerová, Ph.D.

**Date of defence:** 04.06.2024    **Venue of defence:** Hradec Králové  
**Attempt:** regular

**Course of the examination:** Using a PowerPoint presentation, the student presented the committee with the key results of his diploma thesis. In the introduction, he talked about antimicrobial resistance, bacterial infections, and previously published compounds, which acted as a starting point for the design of the title compounds of the diploma thesis. He commented on the design of his target compounds, described the synthesis of the compounds, and summarized the biological results of the compounds prepared in the project. In the end, he mentioned the possible future outlook for this project. After the presentation, the supervisor, doc. Zitko, read his evaluation. Subsequently, doc. Kučerová read her opponent's evaluation. Both evaluations were generally positive. The opponent highlighted some errors in the reaction schemes and pointed out the incorrect calculation of theoretical yields. These issues will be subject to Errata/Correction to the thesis. The student answered all the opponent's questions, and the opponent was satisfied with the answers.

**Result of defence:** very good (2)

**Chair of the board:** Doležal Martin, prof. PharmDr., Ph.D. ....

**Committee members:** Zimčík Petr, prof. PharmDr., Ph.D. ....

Kučera Radim, doc. PharmDr., Ph.D. ....