

Zápis o části státní závěrečné zkoušky
Obhajoba závěrečné práce

Akademický rok: 2018/2019

Jméno a příjmení studenta:	Sarah Basem Bouz
Datum narození:	19.07.1995
Typ studijního programu:	magisterský
Studijní program:	Farmacie
Studijní obor:	Farmacie
Zadavatel práce:	Katedra farmaceutické chemie a farmaceutické analýzy (16-16190)
Název práce:	Derivatives of quinoxaline-2-carboxylic acid as potential antimicrobial compounds
Jazyk práce:	angličtina
Jazyk obhajoby:	angličtina
Vedoucí:	PharmDr. Jan Zitko, Ph.D.
Oponent(i):	doc. PharmDr. Veronika Nováková, Ph.D.
Datum obhajoby :	03.06.2019
Místo obhajoby :	Hradec Králové
Průběh obhajoby:	<p>In the beginning, Sarah B. Bouz used a PowerPoint presentation to illustrate the main concept and results of her diploma thesis. She spoke about tuberculosis, its epidemiology and current therapy. Then she presented the design of the title compounds, commented on the used synthetic procedures and presented the results of the biological tests. At the end, she drew out the most prominent structure-activity relationships and future synthetic proposals.</p> <p>Mentor Dr. Zitko in his evaluation of the thesis stated that the work fulfilled the intended goals and recommended it to be accepted for defence. Then the Reviewer doc. Veronika Nováková read her evaluation. The review was generally positive, although the reviewer pointed out insufficient discussion of the synthetic aspects of the work. The student responded to the questions raised by the reviewer and the responses were accepted by the reviewer. General discussion was opened. Mgr. Demuth asked about the process of neutralizing protons by addition of pyridine. Prof. Zimčík commented on the fact that it is usually not necessary to use anhydrous dichloromethane (DCM), because even common DCM contains only insignificant traces of water. Further Prof. Zimčík asked about the formula for calculation of selectivity index, about the yields and about the differences in basicity of reacting anilines in comparison with reacting benzylamines. Dr. Kučerová asked which standard drugs were used as controls in the biological testing. Dr. Lochman asked about the methods of purification of final products. Prof. Kučera asked why HepG2 cell line was selected for in vitro cytotoxicity testing. Doc. Nováková asked about different yields in individual subseries of the final products. Sarah B. Bouz was able to respond sufficiently to all the raised questions. The committee agreed that the thesis was successfully defended.</p>

Výsledek obhajoby: very good (2)

Předseda komise: doc. PharmDr. Radim Kučera, Ph.D.

Členové komise: prof. PharmDr. Milan Nobilis, CSc.

prof. PharmDr. Petr Zimčík, Ph.D.

doc. PharmDr. Miroslav Miletín, Ph.D.

doc. PharmDr. Petra Štěrbová, Ph.D.