



UNIVERZITA KARLOVA
Farmaceutická fakulta
v Hradci Králové

Zápis o části státní závěrečné zkoušky Obhajoba diplomové práce

Akademický rok: 2022/2023

Jméno a příjmení studenta: Miroslav Domanský
Identifikační číslo studenta: 25168035

Typ studijního programu: magisterský
Studijní program: Farmacie
Studijní obor: Farmacie
ID studia: 546914

Název práce: Synthesis of novel inhibitors of human topoisomerase based on highly substituted phenyl scaffold
Pracoviště práce: Katedra farmaceutické chemie a farmaceutické analýzy (16-16190)

Jazyk práce: angličtina
Jazyk obhajoby: čeština
Vedoucí: doc. PharmDr. Jan Zitko, Ph.D.

Oponent(i): prof. PharmDr. Petr Zimčík, Ph.D.

Datum obhajoby: 14.09.2023 **Místo obhajoby:** Hradec Králové
Termín: řádný

Průběh obhajoby: Using a PowerPoint presentation, the student presented the committee with the key results of his diploma thesis elaborated within Erasmus+. In the introduction, he talked about the role of topoisomerase II inhibitors in cancer treatment. Then, he described the synthetic work performed and summarized the biological results of compounds prepared in the project. After the presentation, the supervisor doc. Zitko read his evaluation and quoted the evaluation from the Erasmus+ consultant, prof. Ilaš (Faculty of Pharmacy, University of Ljubljana). Subsequently, prof. Zimčík read his opponent's evaluation. Both evaluations were generally positive. The student answered all questions of the opponent, and the opponent was satisfied with the answers. In general discussion, doc. Miletín asked about the methods to increase water solubility of compound IMD-04. The student correctly answered that the simplest way would be via salt formation. Doc. Kučera asked about the detector used in the HPLC analysis and required some details about interpretations of the acquired MS spectra. The student's answers were logical and proved his knowledge of the topic. Therefore, the committee decided that the thesis was successfully defended.

Výsledek obhajoby:	výborně (1)	
Předseda komise:	prof. PharmDr. Petr Zimčík, Ph.D.
Členové komise:	doc. PharmDr. Radim Kučera, Ph.D.
	doc. PharmDr. Jan Zitko, Ph.D.