



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:** Melodie Haddad  
**Student's ID:** 13640288

**Type of the study programme:** Master's  
**Study programme:** Pharmacy  
**Branch of study:** Pharmacy  
**Study ID:** 545861

**Title of the thesis:** The potential of aldo-keto reductase 1C3 inhibition as an off-target effect of isocitrate dehydrogenase 2 inhibitor enasidenib in leukemia.  
**Thesis department:** Department of Biochemical Sciences (16-16160)  
**Language of the thesis:** English  
**Language of defence:** English  
**Advisor:** prof. Ing. Vladimír Wsól, Ph.D.  
**Reviewer(s):** RNDr. Miloslav Macháček, Ph.D.  
**Date of defence:** 05.06.2024    **Venue of defence:** Hradec Králové  
**Attempt:** regular

**Course of the examination:** Graduate student Melodie Haddad made her experimental work, in which she dealt with the inhibition of AKR1C3 by enasidenib, under the guidance of prof. Wsól and consultant dr. Morell. Melodie Haddad informed the commission of her results. The opponent of the work was dr. Macháček, who notes that the work is very up-to-date and clearly written. He only has a few comments and questions about the thesis.  
How can the toxicity of anthracyclines be reduced while maintaining their effectiveness on malignant cells?  
What is the clinically achievable daunorubicin plasma concentration?  
Why did you use different incubation times?  
The graduate answered the questions of the opponent and members of the commission very well.

<b>Result of defence:</b>	excellent (1)	
<b>Chair of the board:</b>	Wsól Vladimír, prof. Ing., Ph.D.	.....
<b>Committee members:</b>	Skálová Lenka, prof. RNDr., Ph.D.	.....
	Szotáková Barbora, prof. Ing., Ph.D.	.....
	Boušová Iva, doc. PharmDr., Ph.D.	.....
	Jirkovská Anna, PharmDr., Ph.D.	.....
	Novotná Eva, RNDr. Bc., Ph.D.	.....
	Macháček Miloslav, RNDr., Ph.D.	.....