



ÚOCHB AV ČR

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Head of Research Team in Bioorganic and Medicinal Chemistry

Supervisor's evaluation and report

on PhD thesis

New C-H activations and cross-coupling reactions for modifications of deazapurine nucleobases

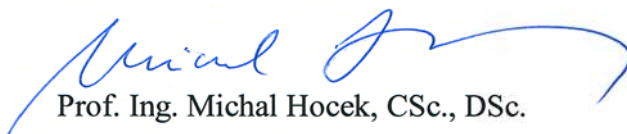
author: **Nazarii Sabat**

Nazarii Sabat did his PhD work under my supervision from 2012 till 2017. His topic was the development of C-H activation reactions for modification of pyrrolopyrimidine (7- or 9-deazapurine) nucleobases and synthesis of series of modified nucleobases for screening of biological activity. He succeeded in development of C-H amination, amidation, silylation and phosphorylation reactions of deazapurines and in synthesis of two large series of deazapurine bases through combination of cross-coupling reactions and nucleophilic substitutions. His work has been published in 5 papers (*2 x Synthesis, JOC, RSC Adv. and Tetrahedron Lett.*).

Nazarii is a very diligent and hard-working scientist. When he came from Ukraine, he had to learn a lot of new techniques but he managed it and quickly started to work very productively. In my opinion, he has a very promising potential for his future career in organic synthesis or in medicinal chemistry and he is already accepted for a postdoctoral position in France.

I am happy to conclude that N. Sabat fulfilled all the requirements for the PhD title and I recommend his thesis for defense and further proceeding to be awarded the PhD degree.

V Praze 6. 12. 2017



Prof. Ing. Michal Hocek, CSc., DSc.