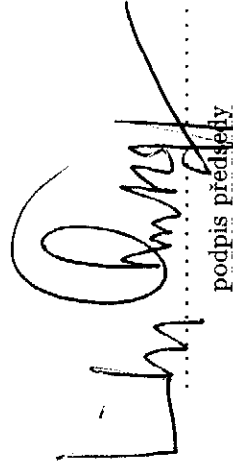


Průběh obhajoby bakalářské práce:

After introduction the student explained the goals of the thesis. Introduction of the studied organism, gamma bacteria, secondary metabolites of these organisms, enzyme complexes producing such metabolites. Methods to study the secondary metabolites were shown and explained. Study of effects of different cultivation conditions on production of D-muscovone diol or metabolite ZDOT was performed. Analysis of the extracted metabolites were also shown. The production of the studied metabolites was shown. The supervisor's statement was read by Dr. Pavel Hanzel (from the same lab) followed by the reviewer. The student answered the questions on the autologing of the solutions, cross-gradient experiments, identification of molecules in the extracts, purification of ZDOT, HPLC-NMR connection and sensitivity. Student answered questions from the commission about the use of HPLC, overall production of ZDOT in bigger volume, number of different secondary metabolites and their purpose. Also, release of metabolites was discussed.

Body: 136
Klasifikace: excellent

Celková klasifikace:
Datum obhajoby: 19.6.2017



podpis předsedy

Hodnocení ústních zkoušek: