

## **Abstract**

This master's thesis is focused on the synthesis of selaginellin T. The work is focused on an identification of suitable protecting groups. It was necessary to prepare a protected substrate for the key [2+2+2] cyclotrimerization step, verify the effect of these protecting groups on the course of the trimerization reaction, and subsequently convert the trimerization product into the natural product.

## **Key words**

Total Synthesis, Natural Product, **Genus** *Selaginellaceae*, Polyphenols, Cyclotrimerization, Selaginellines