

ABSTRACT:

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Title of Diploma Thesis: Synthesis of New Seleninic Acid Compounds as Potential Antileishmanial Agents

Selenium containing organic compounds possess promising *in vitro* antiparasitic activity against *Leishmania* infection. Various selenocyanate and diselenide derivatives with different functional groups in the aryl ring and in the aliphatic chain, displaying promising leishmanicidal activity and higher selectivity indexes than those obtained for the reference drugs, miltefosine and edelfosine, have recently been synthesized.

Within this thesis, the synthesis of new seleninic acid derivatives from selenocyanates and diselenides is described.

Four new seleninic acids have been prepared.