

# CHARACTERIZATION OF SEVERAL OLEAMIDE ANALOGUES ANTI-OBESITY AGENTS BY ELECTROCHEMICAL METHODS

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Many researches are nowadays dealing with elucidating the molecular mechanism of obesity and developing new potent therapeutic agents with less secondary effects. We have synthesized oleamides analogues, similar to the natural active compounds. In this paper we present the results obtained in the study of the electrochemical profile of some oleamides, with different alkyl and aryl substituents.

The electrochemical behavior of oleamides analogues compounds was studied in acetonitrile containing tetrabutylammonium perchlorate as supporting electrolyte, using stationary or rotating glassy carbon electrodes and the processes were identified by cyclic and differential pulse voltammetry. Modified electrodes have been obtained. Electrochemical studies of these oleamides gave results that could be correlated with those previously obtained for a similar structure [1].

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