

ABSTRACT

Charles University in Prague, Faculty of Pharmacy in Hradec Králové

Department of Pharmaceutical Chemistry and Pharmaceutical Analysis

Student: **Emmanouil Lioudakis**

Supervisor: **Assoc. Prof. RNDr. Veronika Opletalová, Ph.D.**

Title of Diploma Thesis: **Current trends in the development of steroidal hormone modulators**

Steroidal hormone modulators are considered to be both effective and vital agents concerning the treatment of various types of cancer, as well as playing a crucial role in the regulation of a wide range of physiological actions. Since the development of the very first modulators, a significant progress has been made regarding the development of new ones with limited adverse effects.

The current thesis provides information concerning older drugs and recent data about them. In addition, new drugs which are under clinical trials are described and their structures are referred.

New drugs have been developed in order to be safer and more efficient than older ones. A lot of promising agents which are considered as a successful alternative treatment and carry less risk are either already approved or will be accepted in the near future.