

Title: **Platinum-based anticancer agents: structure-activity relationship and action mechanism. Research on how to overcome cancer cells resistance.**

Student: Nerea Prados Moreno

Date: June 2019

Supervisor/s: Dr. Ángel Montaña Pedrero
Department of Inorganic and Organic Chemistry

Platinum complexes are drugs that are usually used in chemotherapy to try to kill cancerous cells of all kinds and different types of cancers.

Even though there are several platinum drugs approved by the FDA (Food and Drug Administration) and in clinical use, there are still thousands of studies trying to develop new platinum complexes. This is due to the existent resistant mechanisms produced by cancerous cells that inhibit these drugs, and for the several side effects that produce towards the human body.

The goal of this study is to recollect all the novel platinum complexes developed over the last ten years and organize them depending on their properties.

Keywords: Platinum complexes, Cancer