

Synthesis and characterisation of Nano-Particles for Radiotherapy

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A n n o t a t i o n

This thesis presents the complete cycle of the synthesis, characterization, and evaluation of platinum Nano-Particles intended for use in radiotherapy. The applied synthesis method and the techniques used to measure the key properties are described. Additionally, the in vitro testing of the Nano-Particles on HeLa cervical cancer cells is described, including the preparation of the cells and the method used for evaluating the results. Finally, the obtained results are presented and discussed.