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(54) Title: COMPOSITIONS OF NANOPARTICLES FOR TREATMENT OF CANCER

(57) Abstract: The invention relates to nanoparticles and/or aggregates of nanoparticles and a composition comprising nanoparticles and/or aggregates of nanoparticles and their use in oncology. Specifically, the nanoparticles and/or aggregates of nanoparticles are radiation enhancer agents to be activated by ionizing radiation, and are for use, in combination with at least one immuno-oncology (IO) agent, in the treatment of malignant tumors in human patients who have failed to respond to a previous immunotherapy and/or radiotherapy (RT) and who experience disease progression.



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