

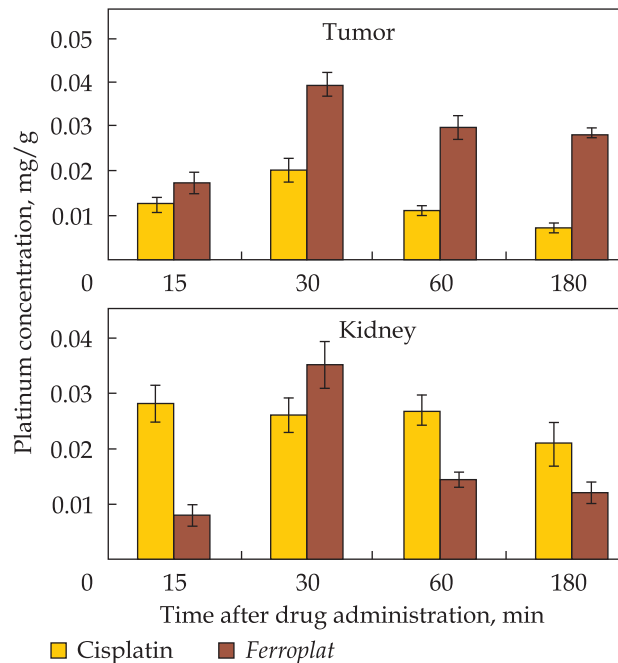
FERROPLAT ANTITUMOR NANOCOMPOSITE

Areas of Application

Ferroplat can be used to increase the effectiveness of chemotherapy and to overcome drug resistance of malignant tumors. *Ferroplat* is a means to deliver cytotoxic agents directly to the tumor tissue, which provides their maximum penetration into the cells and improves their therapeutic effect

Specification

Ferroplat antitumor ferromagnetic nanocomposite is a conjugate of magnetic fluid nanoparticles and anticancer drug cisplatin



Ferroplat pharmacokinetics

Advantages

Ferroplat has no analogs. It has significant pharmacological advantages over the free form of cisplatin. It is able to be selectively accumulated in the tumor and to improve the antitumor effect of cisplatin with increased biosafety. Unlike the conventional chemotherapy, *Ferroplat* is more active against the tumors resistant to cytotoxic drugs and shows less toxicity towards the normal cells. The administration of *Ferroplat* helps to prevent the toxic influence of cytostatic on the whole organism

Stage of Development.

Suggestion for Commercialization

IRL4, TRL4

Seeking investors for developing a process description and organizing commercial manufacture

IPR Protection

IPR1, IPR3

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