

Green Nanotechnology

Photodynamic therapy: An Economic and Ecofriendly way for cancer treatment

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Abstract

Green nanotechnology offers the ability to treat diseases in economical as well as in ecofriendly way, such as cancer. Conventionally, the most common cancer treatments were limited to chemotherapy, radiation, and surgery but these anticancer treatments, may induce severe systemic toxicity, and produce drug resistant phenotypic growth. Another problem associated with therapy is high cost. Cisplatin a conventional drug used in the treatment of cancer is costly with respect to green synthesis based nano drug. This review provides a negative aspect of traditional cancer therapy with the development of new green nanotechnology based photodynamic therapy (PDT).

Keywords: Green nanotechnology, Cancer, PDT (photodynamic therapy)

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