

عنوان مقاله:

Aptamer-Based Approaches in Oncology

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خلاصه مقاله:

Cancer is a significant global cause of mortality, and enhancing therapy is essential to save lives and minimise adverse consequences. Aptamers, composed of DNA or RNA, have the potential for cancer treatment by precise targeting of certain molecules. Aptamers, unlike conventional therapies such as chemotherapy, have the specific objective of delivering medications directly to cancer cells, while reducing injury to healthy cells. This paper examines the process of aptamer development and utilisation in cancer treatment, with a specific emphasis on their capacity to enhance therapy and surmount drug resistance. Additionally, it explores the obstacles and potential advancements in using aptamers to transform cancer therapy

کلمات کلیدی:

Aptamer, Cancer, Therapy, SELEX

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