

Drug Conjugate for Early Cancer Diagnosis and Reduced Chemotherapy Side Effects

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Categories:

- Chemistry and Chemical Analysis
- Medical/Health

Keywords:

- Cancer
- Cancer Therapy
- Chemistry and Chemical Analysis
- Medical/Health
- Therapeutics

Cancer is a deadly disease that affects many people around the world. However, current chemotherapy is associated with a litany of unwanted side effects. In addition, existing treatment does not diagnose malignant stages fast enough for effective treatment. There is need of a method for reducing both the time of diagnosis and the side effects associated with traditional chemotherapy.

Researchers at Purdue University have developed a small molecule drug conjugate (SMDC) for cancer treatment. The drug would provide an option for patients who want to achieve early diagnosis and better treat tumors by avoiding the many side effects of traditional chemotherapy like nausea and hair loss. This drug would target chemotherapy drugs and radioimaging agents to help oncologists treat cancer patients in early malignant stages.

Advantages:

- Reduced side effects
- Early diagnosis

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Potential Applications:

- Chemotherapy drugs
- Radioimaging agents

People:

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Intellectual Property:

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