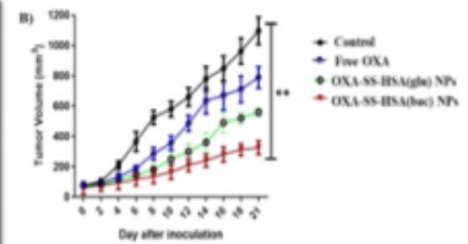
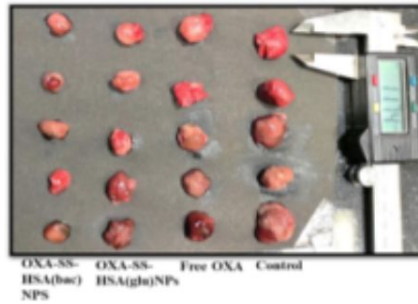


PENDING

(IN202111040695)

Nanoconjugate of a platinum(IV) compound and human serum albumin



NEED

Cancer treatments often face issues with drug resistance and systemic toxicity. What if there was a way to deliver platinum-based drugs more efficiently and with fewer side effects?

MARKET ANALYSIS

The global market for cancer nanomedicines is projected to grow at a CAGR of 11.3% from 2023 to 2033, driven by demand for more effective, less toxic therapies. (Source: Grand View Research)

TECHNOLOGY OVERVIEW

This nanoconjugate combines platinum(IV) compounds with human serum albumin via a cleavable linker, improving the drug's delivery and minimizing side effects. It is designed for targeted therapy with enhanced therapeutic efficacy.

Target Industries

- 1) Pharmaceutical companies focusing on oncology treatments.
- 2) Biotech firms working on targeted drug delivery systems.
- 3) Healthcare providers aiming to improve cancer treatment outcomes with minimal toxicity.

TECHNOLOGY KEY FEATURES

- 1) Platinum(IV) compounds like oxaliplatin and cisplatin.
- 2) Linker cleavable via hydrolysis, enzymatic action, or pH changes.
- 3) Crosslinking with glutathione-sensitive agents for controlled release.
- 4) Reduced systemic toxicity in cancer treatments.

AT A GLANCE

- SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation, and Infrastructure)

[Read more here](#)

Technology is available for licensing/ co-development.

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