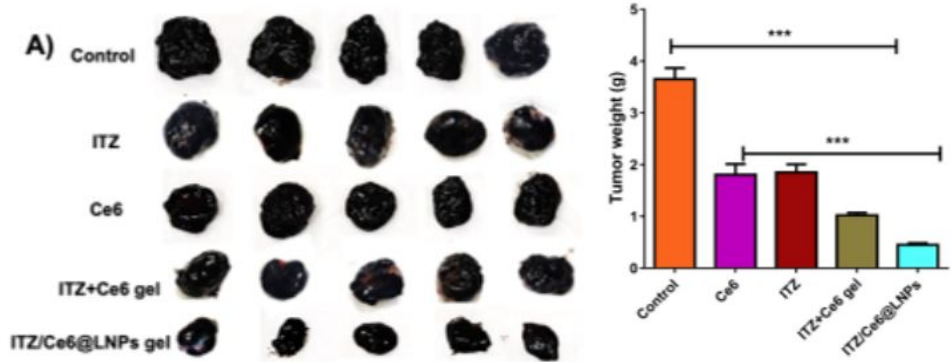


PENDING

(IN202211054911)

Positive charge-based lipid formulations for drug delivery



NEED

Skin cancer treatments often suffer from poor drug penetration and side effects. What if there was a way to deliver a combination of therapeutic agents directly to affected skin cells, increasing effectiveness and minimizing adverse effects?

TECHNOLOGY OVERVIEW

This patent describes a lipid-based nanocarrier system to deliver a combination of therapeutic agents, specifically designed for topical skin cancer treatment. The system ensures targeted delivery, enhancing the therapeutic outcome with minimal side effects.

TECHNOLOGY KEY FEATURES

Dual-therapeutic lipid formulation; Targeted delivery for skin cancer treatment; Combination of solid and liquid lipids; Enhanced bioavailability; Uses nanoparticles with a size of 80-100nm.

[Read more here](#)

MARKET ANALYSIS

The global oncology drugs market is growing at a CAGR of 6.7%, expected to reach \$339 billion by 2033. Skin cancer treatments are driving growth due to rising incidences. (Source: Market Data Forecast, 2023)

Target Industries

Pharmaceutical Manufacturers;
Biotechnology Companies; Skin Cancer
Research Institutes

AT A GLANCE

- SDG 3: Good Health and Well-Being; SDG 9: Industry, Innovation, and Infrastructure

Technology is available for licensing/ co-development.

Reach out to Prof. Deepak Chitkara, Coordinator, BITS Technology Enabling Centre,

BITS Pilani Contact Details: tec.bits@pilani.bits-pilani.ac.in, 91 1596-255913