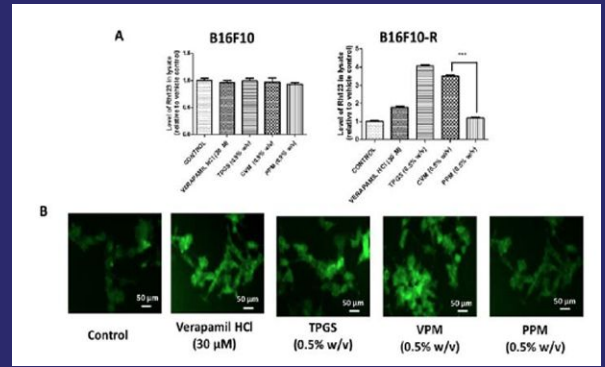


Granted IN452324

A nano-micellar composition for drug delivery and method of preparing the same



NEED

Current chemotherapy faces challenges with drug resistance and unstable drug delivery systems, requiring a stable, efficient vehicle for high drug loading without disassembly in blood.

SOLUTION

The invention provides a nanomicellar composition with a unique blend of tocopherol, hydrophilic compounds, and an amino-acid linker for stable, efficient drug delivery.

INNOVATION

This nano-micellar composition innovatively combines tocopherol succinate, polyethylene glycol, and specific linkers for a stable delivery system capable of loading poorly soluble drugs, overcoming conventional chemotherapy's limitations.

MARKET ANALYSIS

Market: Pharmaceutical, Chemotherapy
CAGR: High, driven by advances in targeted therapies
Potential Indian Clients: Pharmaceutical companies, cancer treatment centers

WHY INVEST?

Nano-micellar composition
Drug delivery
Chemotherapeutic drugs
Biocompatible



AT A GLANCE

- Current TRL NA
- Funded by NA
- IPC COIB
- Domain
Nanotechnology, Drug Delivery

Prof. Swati Biswas, Prof. Balram Ghosh, Onkara Swamy Muddineti

Department of, Chemical Engineering
BITS Pilani, Hyderabad Campus

For more information, reach out to (contact person), (designation), (organization) at (email ID) and (phone number)

