



glucose-LNP@PTX, glucose-modified liposome loaded with paclitaxel

Cat. No. R-ZHIGF12

Lot. No. (See product label)

Alias	Glucose-lipid nanoparticle-paclitaxel complex
Appearance	solid or liquid
Molecular Formula	N/A
Solubility	Soluble in organic solvents
Storage	-20°C, protected from light
Purity	95%+
Shelf Life	1 year
Shipping Condition	low temperature transport
Application	targeted drug delivery
Specification	10mg : Inquiry 25mg : Inquiry 50mg : Inquiry
Description	Glucose-LNP@PTX is a drug delivery system in which glucose-modified lipid nanoparticles are loaded with paclitaxel (PTX). Lipid nanoparticles (LNP) are composed of lipid components such as phospholipids and cholesterol. They have good biocompatibility and degradability. They can simulate the structure of biological membranes, effectively protect the paclitaxel wrapped in them, and prevent the drug from being degraded or metabolized in advance before reaching the lesion. Glucose, as a targeting modification molecule, can specifically bind to the overexpressed glucose transporter on the surface of tumor

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cells, giving the system tumor targeting ability and enabling drug-loaded nanoparticles to be enriched in tumor tissues. Paclitaxel is a classic anticancer drug that exerts its anticancer effect by inhibiting microtubule depolymerization and disrupting the mitotic process of tumor cells. Glucose-LNP@PTX, which combines the three, can improve the water solubility, stability and targeting of paclitaxel, reduce the side effects of the drug on normal tissues, and shows broad application prospects in the field of tumor treatment.

Supplier

Xi'an Ruixi

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