



MAL-LNP@FITC, maleimide-lipid nanoparticles@fluorescein isothiocyanate

Cat. No. R-ZF001

Lot. No. (See product label)

Alias	FITC labeled maleimide lipid nanoparticles
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	bioimaging
Specification	5mg: Inquiry 10mg : Inquiry 25mg : Inquiry
Description	MAL-LNP@FITC is a functional material that combines multiple properties and has important applications in the field of biomedical research. It is composed of maleimide (MAL) modified lipid nanoparticles (LNP) and fluorescein (FITC). The maleimide group has high reactivity and can react specifically with biomolecules containing sulfhydryl groups (-SH) under mild conditions to form stable thioether bonds, thereby achieving accurate connection and modification of biomolecules. As a carrier, lipid nanoparticles have good biocompatibility and drug-loading capacity. They can effectively

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

www.matexcel.com

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: info@matexcel.com Tel: 1-631-869-4956 Fax: 1-631-910-2166



package and deliver active substances such as nucleic acids and drugs, protect them from the influence of the internal environment, and improve delivery efficiency. FITC gives the material fluorescence properties. It emits strong green fluorescence when excited by a specific wavelength, which facilitates the tracking, monitoring and analysis of labeled objects through fluorescence microscopy, flow cytometry and other means. By combining the advantages of MAL, LNP and FITC, MAL-LNP@FITC can be used in research scenarios such as biomolecule labeling, cell imaging, and drug delivery system construction, helping to deeply explore biological processes, disease mechanisms, and develop new treatment strategies.

Supplier

Xi'an Ruixi

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

www.matexcel.com

Address: SUITE 210, 17 Ramsey Road, Shirley, NY 11967

Email: info@matexcel.com Tel: 1-631-869-4956 Fax: 1-631-910-2166