



DOTAP LNP@RNA-VHPKOHRGGSKGC

Cat. No. R-VHGD-101

Lot. No. (See product label)

Alias	Polypeptide (VHPKOHRGGSKGC) modified 1,2-dioleoyl-3-trimethylammonium propane liposome to encapsulate ribonucleic acid
Appearance	Dispersion
Molecular Formula	N/A
Solubility	Chloroform, methanol, PBS buffer
Storage	-20°C, protected from light
Purity	95%+
Shelf Life	1 year
Shipping Condition	low temperature transport
Application	Targeted delivery of compounds
Specification	10ml: Inquiry 20ml: Inquiry 50ml: Inquiry
Description	Polypeptide (VHPKOHRGGSKGC) modified DOTAP liposomes encapsulate RNA. DOTAP (1,2-dioleoyl-3-trimethylammonium propane) liposomes are modified with a polypeptide (VHPKOHRGGSKGC) of a specific sequence to encapsulate RNA. The peptide (VHPKOHRGGSKGC) has special functions. VHPKQHRGGSKGC can specifically recognize and bind to Blood vessels cell adhesion molecule-1 (VCAM-1). The peptides in this product also have specific targeting or function enhancement effects.

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



As a carrier, the positively charged nature of DOTAP liposomes helps to combine with negatively charged RNA through electrostatic interaction to achieve efficient encapsulation. The liposome structure can protect RNA from degradation by external nucleases and extend its existence time in and outside the body. Modified liposomes can change their surface properties, such as enhancing targeting, prolonging circulation time, etc., improving the delivery efficiency of RNA, allowing it to reach the target site more accurately and exert its effect.

Supplier

Xi'an Ruixi

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