



cy5.5-LNP@Tomatine, cyanine dye
cy5.5-liposome@tomatine

Cat. No. R-ZT-1030

Lot. No. (See product label)

Alias	cy5.5 labeled liposome package Tomatine
Appearance	Milky white or light yellow liquid or suspension
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	10mg : Inquiry 25mg : Inquiry 50mg : Inquiry
Description	Cy5.5-LNP@Tomatine is a complex. It is composed of Cy5.5 fluorescent dye, lipid nanoparticles (LNP) and tomato saponin (Tomatine). As a near-infrared fluorescent dye, Cy5.5 exhibits strong fluorescence characteristics in the near-infrared region. This band has the advantages of large tissue penetration depth and low background fluorescence interference, and can provide clear and stable fluorescence signals in complex biological systems. Lipid nanoparticles (LNP) play a key role as carriers. Their nanoscale structure has good biocompatibility and encapsulation capabilities. It tightly combines

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tomato saponin with Cy5.5 fluorescent dye, ensuring that the two work synergistically. Tomato saponins have specific biological activities and play a role in a variety of biological processes. With the carrier function of LNP, the complex can achieve efficient targeted delivery and accurately transport tomato saponins to the target site. At the same time, with the fluorescence properties of Cy5.5, fluorescence imaging can be carried out simultaneously. Based on these properties, Cy5.5-LNP@Tomatine has great potential in biomedical research and applications. It can ensure transport efficiency and accuracy when delivering compounds, clearly present cell activities in cell imaging, and provide an effective means for biomolecule labeling in the field of biomarkers.

Supplier

Xi'an Ruixi

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