



LNP@xanthophyll, lipid nanoparticle-encapsulated lutein

Cat. No. R-Y001

Lot. No. (See product label)

Alias	Liposome-encapsulated lutein
Appearance	Light blue or colorless transparent 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	drug delivery system
Specification	1ml : Inquiry 3ml : Inquiry 5ml: Inquiry
Description	LNP@Xanthophyll is an innovative formulation that encapsulates lutein (Xanthophyll) in lipid nanoparticles (LNP). Lutein belongs to the lutein class of carotenoids. It is a yellow pigment that exists in nature and is commonly found in the leaves of green plants, vegetables, fruits, etc. It plays a role in regulating light energy in plant photosynthesis, and can also be used as a non-photochemical quencher to deal with triplet chlorophyll produced under high light intensity. For the human body, lutein has multiple effects. It is an excellent antioxidant that can neutralize reactive oxygen species in the body and reduce the damage

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to cells caused by oxidative stress. It has anti-inflammatory properties and helps relieve Inflammation reactions. A large number of studies have shown that lutein is particularly important for eye health. It, together with the isomer zeaxanthin and the metabolite meso-zeaxanthin, are enriched in the macular area of the retina and can protect the retina from oxidative damage and blue light damage. Lipid nanoparticles are composed of nanoparticles composed of a variety of lipids with good biocompatibility. They protect lutein from being degraded in complex biological environments and improve its stability. They enhance the uptake of lutein by cells so that it can be transported to target cells or tissues more efficiently. They have broad application prospects in biomedical research, health care and other fields.

Supplier

Xi'an Ruixi

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