Creative Enzymes®

Nano Liposomal hesperidin

Cat. No. EXTZ-719

Lot. No. (See product label)

Introduction

Description

Hesperidin is a bioactive compound naturally found in citrus fruits and possesses a variety of health benefits. In the medical field, hesperidin has physiological activities and applications such as cardiovascular protection, anti-inflammatory, antibacterial, antiviral, antioxidant, and blood sugar regulation. In the food industry, it can be added to foods as a natural antioxidant, flavor enhancer, and nutritional supplement. In skincare, hesperidin has anti-oxidative and anti-aging, moisturizing effects. It also has potential in improving symptoms of anxiety and depression, and can serve as an adjunctive treatment for mental health disorders. However, hesperidin has a significant drawback—it is poorly soluble in water, which severely limits its range of applications. Nano Liposomal hesperidin is a nanoactive substance with a particle size smaller than 30nm, developed using a nano-delivery system (NDS). This allows hesperidin to be stably encapsulated within nanocarriers, significantly increasing its absorption efficiency and bioavailability, effectively overcoming its original shortcomings while retaining its advantages, making its application more convenient and widespread.

Product Information

Form	Light yellow crystalline powder
CAS No.	520-26-3
Purity	5.00%
Solubility	Water soluble