

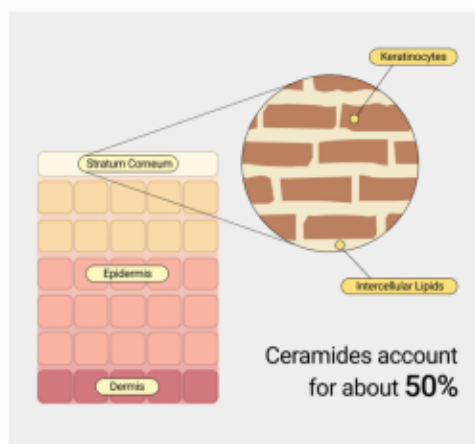
Ceramides

Bio-synthetic Fermentation Technology

• Anti-inflammatory • Moisturizing • Repair

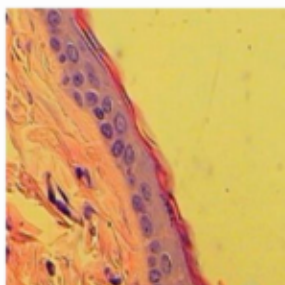
Product Introduction

Ceramides are long-chain fatty acids that exist in the stratum corneum, one of the major components of the skin barrier, and helps maintain skin homeostasis. Ceramides can be considered a key element in maintaining the skin barrier, which are substances that “glue” together the tightly packed corneocytes (think of them as the bricks of our skin) in our stratum corneum.

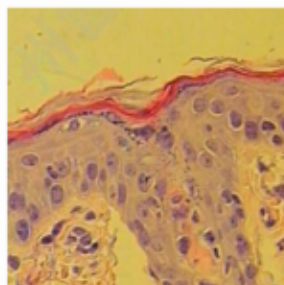


In Vivo Efficacy Experiment

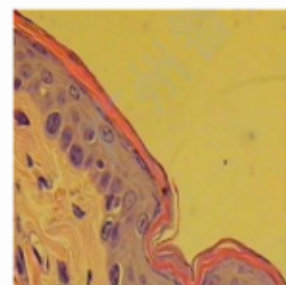
[Repair skin barrier]



Control Group
Recovery Rate:75.7%



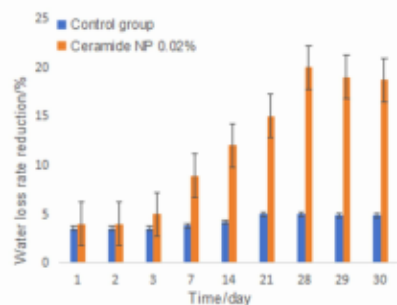
Pseudoceramide
Recovery Rate:79.1%



Natural Group
Recovery Rate:93.1%

[Moisturizing]

Ceramide NP-TEWL reduction experiment



After applying SLS (Sodium Sulfate) to evaporate the moisture in the skin, the measured TEWL values were compared.

After four weeks, the TEWL value reached the maximum reduction value. The values measured at this time were 17.9±1.6% and 5.1±0.7%

Comprehensive Solutions Overview

[Ceramide powder]

INCI Name	Origin	Benefits					Applicable products						Recommended Dosage
		Anti-oxidant	Anti-inflammatory	Barrierrepair	Moisturizing	Barrier reinforcement	Face care	Eye care	Hair care	Body care	Suncare	oral care	
Phytosphingosine		✓	✓				✓	✓	✓	✓		✓	0.2%-2%
Ceramide NP				✓	✓	✓	✓	✓	✓	✓	✓		0.05%-1%
Ceramide AP					✓	✓	✓		✓	✓			0.005%-0.05%
Ceramide EOP					✓	✓	✓						0.005%-0.01%
Ceramide NS					✓	✓	✓						0.005%-0.05%
Ceramide NG					✓	✓	✓						0.005%-0.05%
Ceramide AS				✓	✓		✓						0.005%-0.05%

[Ceramide LNP]

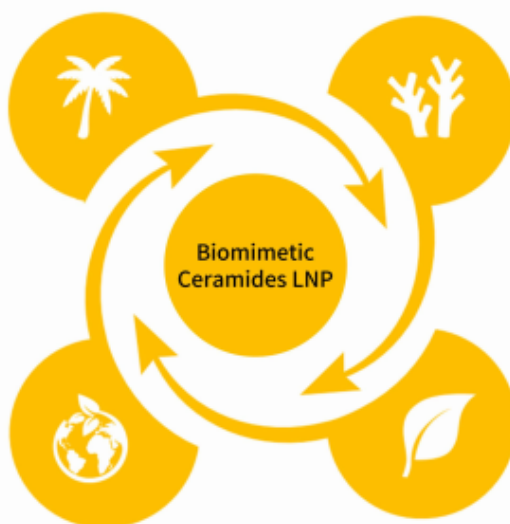
- ✓ 4% Ceramide NP Lipid Nanoparticle
- ✓ 6% Ceramide NP Lipid Nanoparticle
- ✓ Biomimetic Ceramides Lipid Nanoparticle

1. Accurate ratio

The molar ratio of ceramide, cholesterol, and fatty acid is 1:1:1, which is identical to that of intercellular lipids.

3. Multiple re-matching

The ceramides used are naturally equivalent to the ceramide structures found in the skin and are present in the same ratio.



2. Bionic structure

Liposome biomimetic structures utilize high-purity phospholipids as carriers, which is similar to the sebum membrane.

4. Good stability

Easy to apply, free from crystallization, and exhibits good stability.



Innovation Never Stops

BrightGene Bio-Medical Technology Co., Ltd

Add: Room 805, Building#2 British Center, European and American Financial City, Yuhang District, Hangzhou, China(311121)

Tel: +86-571-88134917 Fax: +86-571-87357695

Email: sales@brightgenehealth.com

Website: www.brightgene-health.com

