

Ectoine

• Moisturizing • Anti-UV • Anti-dermatitis

Product Introduction

Ectoine, also known as 1,4-dihydro-1-methylpyrimidine-2,4-dione, is a natural compound used in skincare for its moisturizing and UV protection benefits. Its "Ectoine-water complex" helps lock in moisture and form a protective barrier, reducing water loss and shielding the skin from environmental stressors and photoaging.



Efficacy and Experiment



Moisturizing

Its unique structure binds water molecules, making it an excellent natural moisturizer.



Anti-UV

Protecting cells from UV damage, scavenging free radicals, and reducing inflammation.



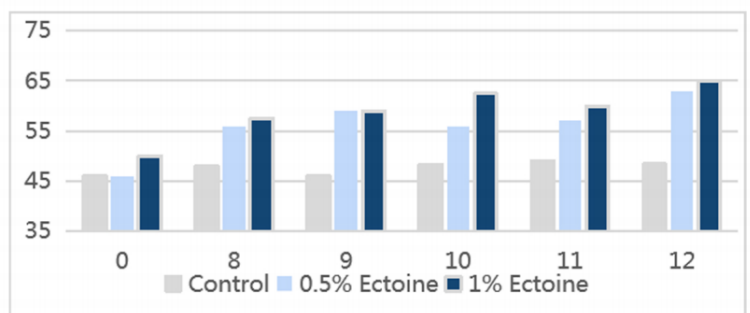
Atopic Dermatitis

Alleviating atopic dermatitis by repairing the skin barrier, reducing inflammation, and moisturizing.

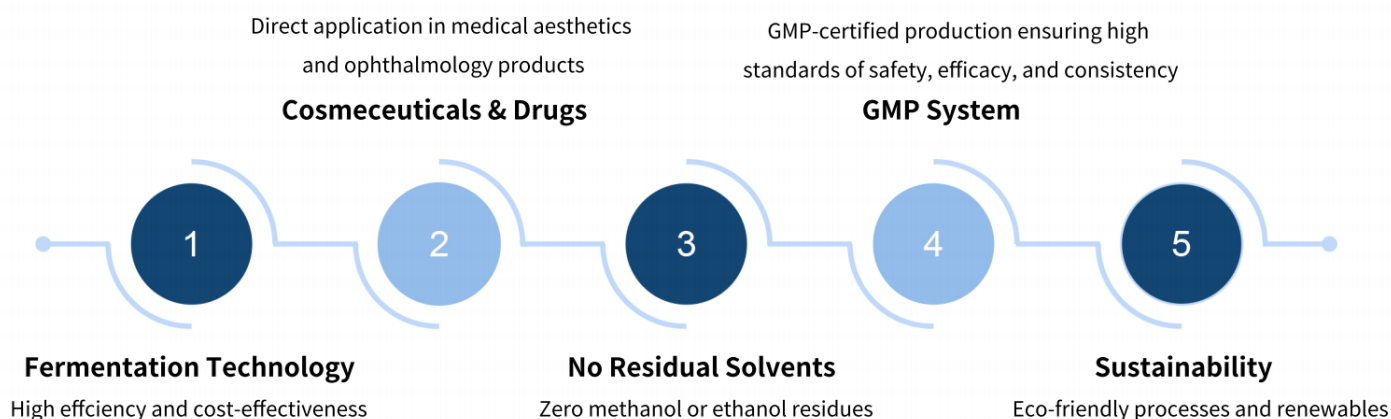
In Vivo: Experimental data on the long-term moisturizing effect of Ectoine

*The skin of the volar forearm of five volunteers is treated twice daily for 12 days with a cosmetic formulation (2 mg/cm²) containing 0% (control), 0.5%, and 1% Ectoine.

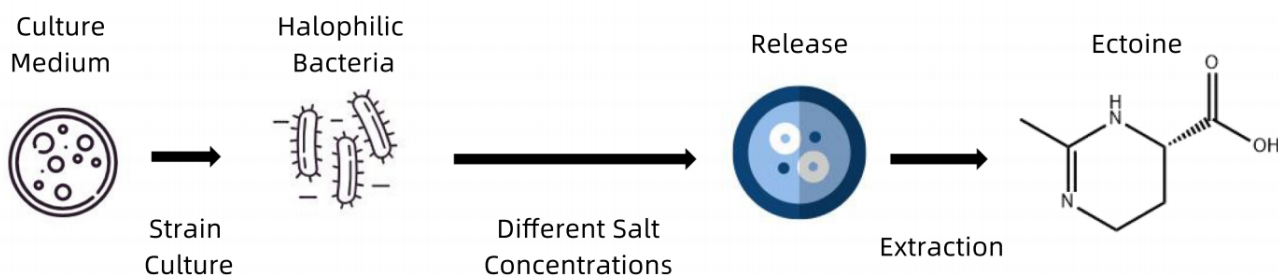
The results showed the excellent moisturizing effect of 0.5% and 1% Ectoine.



Why Choose BrightGene's Ectoine?



Production Process: 'Bacterial Milking'



High Standard Specifications

ITEM	SPECIFICATION	RESULT
Appearance	White crystalline powder	Conform
Assay	NLT 99.5%	100%
Bacterial Endotoxin	< 10 EU/g	Conform
Heavy Metals	≤ 10 mg/kg	Conform
Yeast & Mold Count	≤ 50 CFU/g	Conform
Aerobic Plate Count	≤ 100 CFU/g	Conform



Innovation Never Stops

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