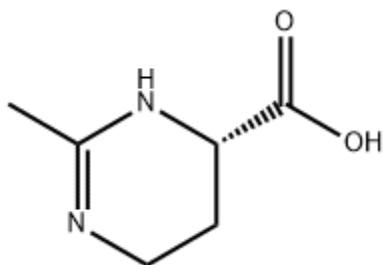


## 依克多因

- 【化学名】 依克多因
- 【INCI】 四氢甲基嘧啶羧酸
- 【CAS NO】 96702-03-3
- 【纯度】  $\geq 99\%$
- 【分子式】  $C_6H_{10}N_2O_2$
- 【分子量】 142.16
- 【结构式】



## 产品介绍

依克多因(Ectoin)作为一种重要的渗透压补偿溶质普遍存在于嗜盐菌中。依克多因最早是 1985 年 Galinskietal 在极端嗜盐外硫红螺菌中分离出来的,在埃及瓦迪.纳特伦沙漠盐湖里发现。依克多因作为一种渗透压补偿性溶质存在于嗜盐菌中,对细胞在各种极端恶劣环境中能起到很好的稳定保护,作用,其能很好的保护朗格汉斯细胞,尤其能防止朗格汉斯细胞在紫外线照射下的破坏和损伤,并能合成热休克蛋白,强化皮肤的免疫系统,有着高效的抗敏修复能力。

因其为溶解的水溶性粉末,在使用上可以直接溶解于纯露、精华液等水性基底产品中,亦可用少量蒸馏水预溶解后添加于膏霜乳液中

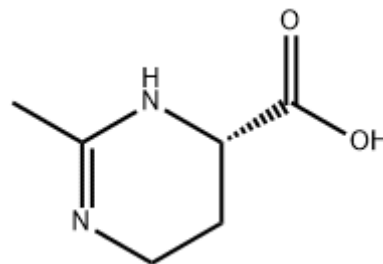
## 产品功效

### 1、保湿

依克多因分子具有很强的电负性,可以促进皮肤内水分子的缔合,

## Ectoin

- 【Chemical Name】 Ectoin
- 【CAS NO】 96702-03-3
- 【Purity】  $\geq 99\%$
- 【Molecular Formula】  $C_6H_{10}N_2O_2$
- 【Molecular weight】 142.16
- 【Structure】



## Product introduction

Ectoin, as an important osmotic pressure compensation solute, is ubiquitous in halophilic bacteria. Ectoin was first isolated from the extremely halophilic *Rhodospirillum exostrophia* by Galinskietal in 1985 and was found in the salt lake of the Wadi Natron Desert in Egypt. Ectoin exists in halophilic bacteria as an osmotic pressure compensating solute, and it can play a very good role in protecting cells in a variety of extreme environments, and it can protect Langerhans cells very well. In particular, it can prevent Langerhans cells from damage and damage under ultraviolet radiation, and can synthesize heat shock proteins, strengthen the skin's immune system, and have a high-efficiency anti-allergy repair ability.

Because it is a dissolved water-soluble powder, it can be directly dissolved in aqueous base products such as pure dew essence, or added into cream emulsion after pre-dissolved with a small amount of distilled water



使水分子形成 Kosmotropic Effec 结构，有助于增强水结构。同时具有修复皮肤屏障，束缚水分的功能。依克多因可以增加皮肤中水分含量，在短时和长期的保湿实验中，都体现出良好的保湿效果。

## 2、舒缓

据资料显示，依克多因可以保护朗格汉斯细胞免受外界损伤，提升细胞活性，从而达到舒缓外界刺激作用

## 3、修护

据资料显示，依克多因对 UV 造成的损伤具有有效的修护作用，浓度越高，修护作用越强

试验表明:依克多因在 0.5%-2.0%浓度范围内，对促炎性因子 TNF-a 有较好的抑制作用，因此可减轻炎症对肌肤的损伤。

## 包装

100G/瓶

1kg/箱

## 储存

在搬运或使用该产品之前请查阅安全数据表。

若以适当的方式贮存在 25°C 以下的干燥区域，保质期为二年

## 声明

以下信息替代了买方文件。关于适销性或适用于特定用途，不存在任何明示或暗示担保。我们所提供的使用建议，不得被视为侵犯任何专利权的原因。对于因疏忽或违反条款、严格赔偿责任、民事侵权行为或与产品有关合同而产生的附带、结果性或间接损失，万源山概不负责。买方唯一能要求赔偿的是买方的买价。数据和结果以受监控的研究或实验室研究为依据，买方应根据预定使用条件进行检测，确认这些数据和结果的准确性。并未针对以下应用进行检测，因此不建议将产品用于：长期接触粘膜、破损的皮肤或血液；或植入人体。

## Product Benefits

### 1、Moisturize

Glycine is used as biochemical reagent, medicine, feed and food additive. Nutritional supplements. It is mainly used in condiment, medicine for medical microorganism and biochemical amino acid metabolism research.

### 2、Relieving

According to the data, Langerhans cells are important cells that maintain normal immunity of skin cells. Ectoin can protect Langerhans cells from external damages and enhance its activity so as to achieve the effect of relieving external stimulations.

### 3、Maintenance

Ectoin has an repairing effect on the damages resulted from uv. the higher the concentration,the stronger the repairing effect is.

The test showed that ectoine had a good inhibitory effect on the pro-inflammatory factor TNF- A in the concentration range of 0.5%-2.0%, so it could reduce the damage of inflammation to the skin.

## Packing:

100g/battle

1kg/box

## Storage

Please reading safety data sheet before carrying or using the product.

Cool and dry, keep tightly closed, quality guarantee period is two years