

Technical Data Sheet

BrightGenix™ Squalane

Product Information

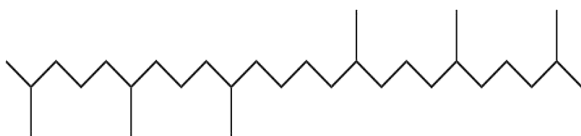
INCI: Squalane

CAS no.: 111-01-3

Appearance: Colorless clear oily liquid.

Purity: ≥98%

Chemical Structure:



In Vitro Efficacy Experiment

Effects of the Squalane on the Evaluation of Moisturizing Efficacy in the HaCaT Cell Dryness Injury Model

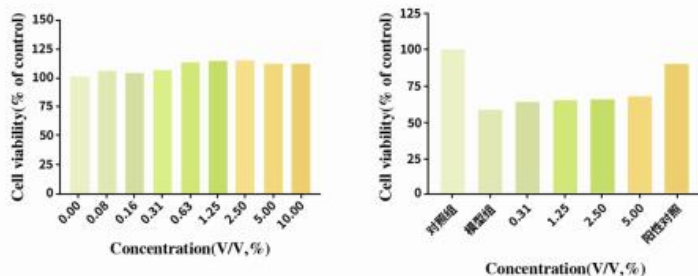


Figure 1 shows no inhibitory effect on HaCaT cell activity at sample concentrations ≤ 10.00%.

Figure 2 indicates that dry-damaged HaCaT cells have 65-58% activity at concentrations of 0.31-5.00%, higher than the model group's 59% viability.

There is a significant difference, indicating that the tested samples have moisturizing effect under this experimental model

Function

Moisturizing:

Squalane is an excellent emollient, meaning it helps to lock in moisture by forming a barrier on the skin. This helps to keep the skin hydrated, soft, and smooth.

Non-comedogenic:

Squalane is lightweight and non-greasy, which makes it suitable for all skin types, including oily and acne-prone skin. It does not clog pores, which is why it's often used in oil-free and sensitive-skin formulations.

Antioxidant properties:

Squalane has antioxidant benefits, helping to protect the skin from environmental stressors like pollution and UV radiation, which can contribute to premature aging.

Use

Facial Oil; Body Oil; Moisturizer; Serum; Cleanser; Mask; Eye Cream; Lip Balm; Sunscreen; Hair Products (shampoo, conditioner, leave-in treatments)

Packing & Storage

Standard packaging: 1kg, 5kg, 10kg; 25kg/package

Shelf life: 24 months

Storage conditions: Sealed and protected from light, stored at room temperature.

Recommended Dosage

0.5-100%

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