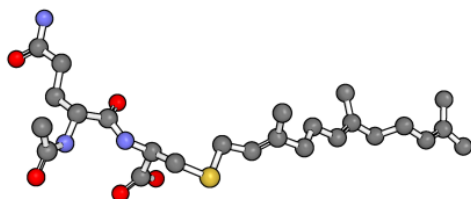


SIGDerma Hydro Extend (SIG1191)

Description

SIG1191 is a proprietary isoprenylcysteine (IPC) molecule derived from a novel technology platform discovered and developed by Dr. Jeffry Stock at Princeton University. Laboratory tested to provide skin hydration and possess anti-inflammatory activity to benefit the skin.



SIG-1191

SIG1191 also helps to address under eye dark circles. SIG1191 offers a broad range of applications that can be used in a variety of skin care products to promote skin health. SIG1191's properties have been published in a peer-reviewed paper and poster presentation for the Society of Investigative Dermatology, highlighting the many benefits this unique molecule offers.

Appearance

Off-white to light brown solid

INCI

Acetylglutaminoyl Farnesylcysteine

Registration

CAS- No:
1227280-36-5

Preservatives/Stabilizers

None

Characteristics/Specifications

-SIG1191 mixture of isomers: > 90%

Efficacy

-Data published in a peer reviewed publication
-Skin moisturization: modulates the expression of key water channel protein called Aquaporin

SIGDerma Hydro Extend (SIG1191)

- 3 (APQ3), increasing it ~6-fold in a dose-dependent manner
- Under eye dark circles: a main cause of dark circles under the eye is the accumulation of heme resulting from leaky blood vessels. Heme-oxygenase-1 (HO-1) is an enzyme that cleaves this damaging heme. SIG1191 boosts HO-1 expression by 90%, helping to address under eye dark circles
- Photo-aging protection: for UVB-treated epidermal keratinocytes, SIG1191 strongly inhibits IL-8 and TNF α cytokine production

Application

Lotions, Creams, Serums, Face Masks, Lip Care, Body Care, and Make Up

Compatibility

Miscible in water (>10%). Insoluble in alcohols or oils. Stable from weak acid to alkaline conditions. Not stable to strong acid conditions (pH<4) and heat treatment

Application concentration

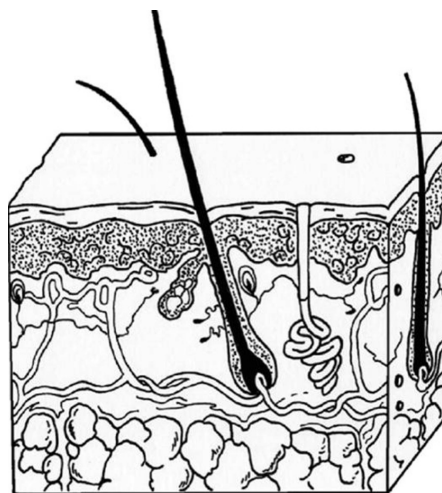
0.05% to 0.5%

Toxicology

- non-irritating to skin
- non-irritating to under eye area
- non-phototoxic
- non-mutagenic (Ames)

Storage & Shelf life

- Below 20°C; Keep tightly sealed, store away from moisture, strong heat and sunlight
- Minimum 2 years shelf-life



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