



Glucosyl Naringin

Promotes Elasticity
and Boosts Skin
Resilience

Naturally derived from citrus

Encourages elastin fiber formation

Restores skin firmness

Glucosyl Naringin

Natural citrus-derived ingredient promoting elastin fiber formation to preserve skin elasticity and firmness

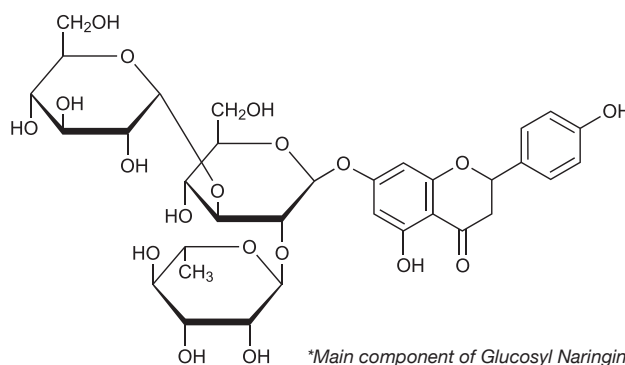
Naringin is a type of citrus-derived flavonoid that demonstrates a variety of promising effects. At the same time, the low water solubility of naringin has made the ingredient a challenge to use in cosmetics. Nagase Viita (formerly Hayashibara) has developed Glucosyl Naringin, which combines naringin with glucose for significantly improved water solubility. With this development, Nagase Viita (formerly Hayashibara) has made possible the use of naringin in a variety of applications as a new plant-derived functional cosmetics ingredient.

While ingredients that inhibit the effects of elastase—an enzyme that breaks down elastin—and ingredients that promote the production of elastin itself have been available for some time, Glucosyl Naringin not only enhances the production of elastin, but also encourages the formation of elastin fibers.

- Enhances elastin production
- Encourages elastin fiber formation
- Preserves skin elasticity and firmness



Structural formula of 3"-monoglucosylnaringin*



*Main component of Glucosyl Naringin

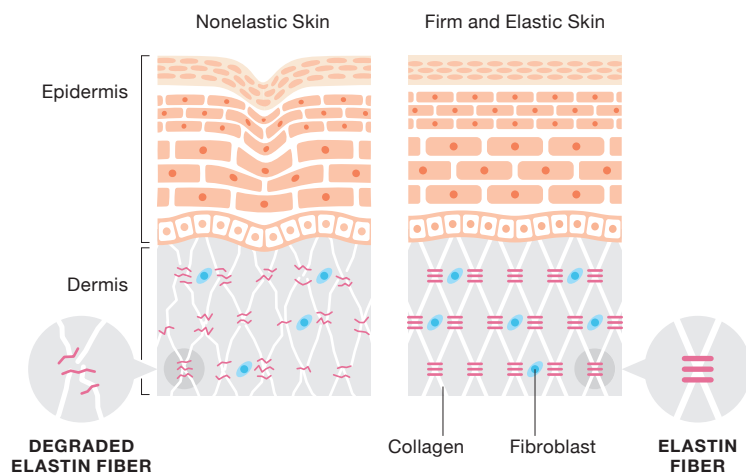
Solubility

Solubility is improved significantly compared with Naringin.

Type of Naringin	Solubility (g/100g water)
Naringin	0.03
Glucosyl Naringin	≥200

Contribution of elastin to skin elasticity

Elastin is a protein that plays an important role in maintaining skin elasticity by forming a fibrous structure in the dermis to support collagen fibers. However, elastin decreases with age leading to insufficient fiber formation. This lower skin elasticity is believed to cause sagging, wrinkles, and lack of firmness in the skin.

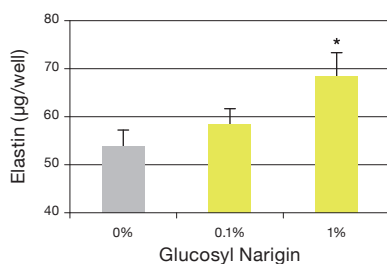


BENEFIT 1

Effect on elastin production

Glucosyl Naringin enhances elastin production in human dermal fibroblasts.

ELASTIN PRODUCTION



Normal human dermal fibroblasts were cultured with and without the addition of Glucosyl Naringin and the amount of elastin was measured.

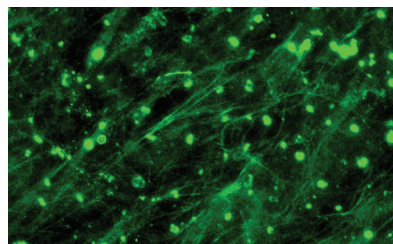
vs. 0%, *: $p < 0.01$

BENEFIT 2

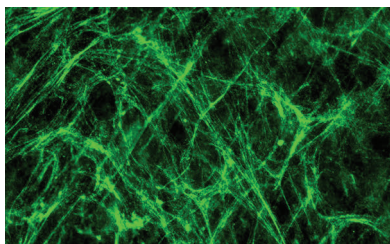
Effect on elastin fiber formation

Glucosyl Naringin encourages the formation of elastin fibers.

MICROSCOPIC IMAGE OF ELASTIN FIBERS



0% Glucosyl Naringin



1% Glucosyl Naringin

Normal human dermal fibroblasts were cultured with and without the addition of Glucosyl Naringin. The cells were then fluorescently immunostained by anti-elastin antibodies.

APPLICATIONS

Skin Care

Anti-Aging

PRODUCT FORMS

Lotions, Toners, Milk Lotions, Creams, Gels, Serums/Essences

SUGGESTED USAGE LEVEL

Skin Care	0.5–1.0%
Anti-Aging	0.5–1.0%

INFORMATION

INCI NAME

Glucosyl Naringin (and) Naringin

DESCRIPTION

Light yellow to brownish-yellow powder

STORAGE

Store at room temperature. Avoid direct sunlight, and high temperature and humidity.

EXPIRATION

Three (3) years from the production date

PACKAGE

Laminated multilayer bag (net 1kg)

SAFETY

Data acquired



COSMOS
APPROVED

Raw material verified by
ECOCERT GREENLIFE,
conform to the
COSMOS Standard

Glucosyl Naringin is certified as Halal

Contact Us

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Please visit our website for further information.



Nagase Viita has received EcoVadis Platinum rating in sustainability for two consecutive years. EcoVadis is an independent institution that assesses sustainability of over 150,000 supplier companies operating in more than 185 countries across more than 250 industries. Platinum is the highest possible rating given by EcoVadis, awarded to companies whose overall score rank in the top 1% of all eligible companies.

Glucosyl Naringin is manufactured by Nagase Viita Co., Ltd. in Japan

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