



**COSMOS  
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# NovoRetin<sup>™</sup>

## The natural alternative to retinol







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### A Precious Medicinal Resin to Boost Retinoic Acid Effects in the Skin

Based on mastic, which is an aromatic resin from the bark of a tree that grows on the Greek island of Chios, NovoRetin™ is able to increase the amount of naturally occurring retinoic acid in the skin, which leads to retinol-like effects.

Retinol is well-known for its strong anti-aging effects and the benefits it offers for acne-prone skin. Retinoic acid, which is the major active metabolite of retinol, is responsible for these retinol effects in the skin. NovoRetin™ is able to inhibit the activity of CYP26 enzymes that degrade retinoic acid in the skin. Thereby, NovoRetin™ can retain naturally occurring retinoic acid levels in the skin, which leads to retinol-like effects without the need to apply retinoids topically on the skin.

Clinical studies conducted on Caucasian and Asian women have shown that 2 % NovoRetin™:

- increases skin elasticity and skin density by 20 % and 14 % after 28 days
- has an immediate lifting potential with an improvement in wrinkle depth and length by 14 % after only a single application
- refines pores and reduces pore volume by 42 % after only two weeks
- reduces retentional lesions with a reduction in black-heads by 40 %
- reduces shininess by 11 % after only two weeks, while increasing skin hydration at the same time
- significantly increases skin brightness and even skin tone after 28 days compared to placebo.

Therefore, NovoRetin™ serves as an ideal plant-based retinol alternative in cosmetics, providing both strong anti-aging effects and exceptional benefits for acne-prone skin.

NovoRetin™ is COSMOS approved\* and NATRUE approved.

### NovoRetin™

- Boosts naturally occurring retinoic acid in the skin
- Improves skin elasticity and density
- Effects immediate lifting
- Visibly refines pores and blemishes
- Stable and safe retinol activity
- Demonstrates clinical skin brightening effects

### Applications

- Advanced age-defying formulas
- Immediate lifting products
- Treatments for acne-prone skin
- Pore minimizing formulas
- Skin brightening products

### Formulating with NovoRetin™

- Recommended use level: 2–3 %
  - Incorporation: For cold processes, dissolve NovoRetin™ into the aqueous phase. In hot/cold processes, add during the cooling phase below 40 °C.
  - Thermostability: Temperatures of up to 40 °C for a short time will not affect the stability of NovoRetin™.
- For further information, please refer to our formulation guidelines.

### INCI (EU/PCPC) Declaration

NovoRetin™ (standard version, COSMOS approved\*, NATRUE approved):  
Pistacia Lentiscus Gum / Pistacia Lentiscus (Mastic) Gum (and) Lecithin (and) Pentylene Glycol (and) Glyceryl Caprylate/Caprate (and) Caprylic/Capric Triglyceride (and) Aqua/Water

NovoRetin O (oil-soluble version, COSMOS approved\*, NATRUE approved):  
Pistacia Lentiscus Gum / Pistacia Lentiscus (Mastic) Gum (and) Caprylic/Capric Triglyceride

### Additional Information

- Liquid
- Without preservatives
- 100 % natural origin

\* Raw material approved by ECOCERT GREENLIFE in accordance with the COSMOS Standard

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### Marketing Benefits

- A plant-based and gentle retinol alternative
- Very special and endemic source from the Mediterranean region
- All-in-one: increases skin density and elasticity, reduces pore size and wrinkles, refines skin texture, creates a smooth matte finish, and provides a brighter skin tone
- Gentle yet highly effective – without the risk of increased photosensitivity and drying out the skin
- Gold Award for Innovation Zone Best Ingredient at in-cosmetics Asia 2022
- 1st Prize at the BSB Innovation Award in the category Cosmetics – Raw Materials
- 100 % natural origin
- COSMOS approved
- NATRUE approved

### Innovating for your success

Mibelle Biochemistry designs and develops innovative, high-quality actives based on naturally derived compounds and profound scientific know-how. Inspired by nature – Realized by science.



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