



Bioactive emollient derived from renewable canola oil. Naturally rich in antioxidant tocopherols and anti-inflammatory phytosterols with documented photoprotection and skin soothing benefits. Suitable for a wide range of cosmetic applications.

redefine  
natural

# Lipex PreAct™

**Recommended applications:** skin care, lip care, sun care and dermo-cosmetics

**INCI NAME** Canola oil

Bioactive emollient derived from renewable rapeseed. Lipex PreAct is an effective moisturizer naturally rich in antioxidant tocopherols and anti-inflammatory phytosterols. These properties combine to prepare and protect skin against UV radiation (PRE) and actively soothe and restore a compromised skin barrier function (ACT). Its composition makes it naturally highly stable without the need for additional antioxidants.

**Appearance:** Slightly yellow, clear to cloudy liquid

**Cloud point:** 6°C

**OSI:** >100 hrs at 110°C



COSMOS APPROVED



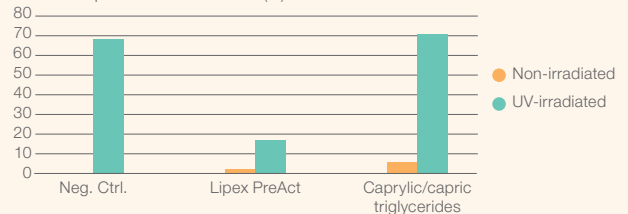
**Typical use concentrations:** 1–5% for skin care, 2–10% for lip care, 1–3% for sun care

## Key features and benefits

- An in-vitro study of protein oxidation on epidermal skin cells after UV-exposure shows Lipex PreAct offers significant protection of both proteins and cell membranes, as well as reduced formation of inflammatory mediators. This makes Lipex PreAct particularly suitable for after-sun and environmental protection formulations.
- The photo-protecting properties are further demonstrated in skin explants irradiated by UV. Treatment with a Lipex PreAct cream resulted in complete absence of sunburn cells and reduced formation of thymine dimers, indicating DNA protecting capacity.
- The unique blend of tocopherols and phytosterols has been clinically shown to soothe, calm and restore the skin barrier after surfactant-induced damage, making Lipex PreAct ideal for skin care applications targeted at sensitive and delicate skin.
- High oxidative and photo-oxidative stability provide long shelf life

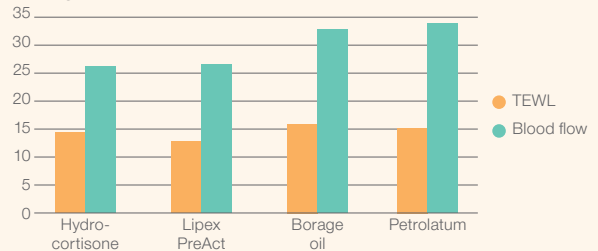
## Lipex PreAct™ protects skin proteins and lipids against photo-oxidation

DNP-H compared to initial situation (%)



## Soothing properties of Lipex PreAct

TEWL (gm-2h-1), Blood flow (A.U.)



## Formulation suggestions

After Sun Soothing Spray Oil  
**AAK-14-278**

Sun Care Oil SPF 30  
**AAK-14-275**

Shea Innovation DermaRich Face Moisturizer  
**AAK-18-307**

Calming and soothing cream for babies  
**AAK-16-241**

Kissably Soft Eco Lip Care  
**AAK-19-006**

re-balancing calming  
oxidative anti-inflammatory  
stable soothing  
anti-pollution eco-friendly  
photo-protecting

**Recommended AAK partner products:** Lipex SheaTris™, Lipex SheaSoft™, Lipex Bassol C™, Lipex SheaLight™, Lipex SheaLiquid™ TR, Lipex Collect™, Lipex L'sens™

For samples, specifications, formulations and more, please visit [aakpersonalcare.com](http://aakpersonalcare.com)



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