



WILFADERM

Plant-Based, Bioactive Lipid for Skin Barrier Support
 Deeply Hydrating, Naturally Calming

TRIPLE ACTION SKIN BARRIER CARE

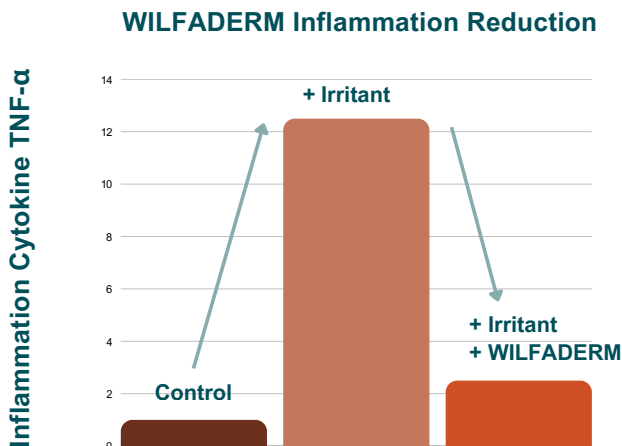
WILFADERM is a plant-derived **bioactive** lipid that offers multifunctional benefits for skin care. It reduces **moisture loss**, promotes **natural moisturising factors**, and supports **anti-inflammatory activity**, going beyond ceramides with triple action skin barrier care.

ENZYME-DRIVEN GREEN CHEMISTRY

Made from renewable feedstocks processed at low temperature with Wilmar's **proprietary enzyme technology**, WILFADERM is an **environmentally friendly** green chemistry innovation. Its natural analogues are found in the human body, underscoring its safety and biocompatibility.

NEXT-GEN INFLAMMATION CARE

WILFADERM **reduces pro-inflammatory** cytokines like TNF- α by a factor of **5¹**, while also limiting **trans-epidermal water loss**. This helps calm irritation, strengthen the skin barrier, and promote long-lasting comfort.



INCI NAME

Ricinoleyl Palmitate

FEATURES



BIODEGRADABLE



PLANT-BASED



NATURAL ORIGIN INDEX 0.75
 ISO 16128



INCREASES NMF
 Natural Moisturising Factor



REDUCES TEWL
 Trans Epidermal Water Loss



CALMS SKIN
 Anti-Inflammatory & Comforts the Skin



SKIN BARRIER REPAIR
 Reinforces the Skin's Natural Defenses

¹ Compared to Ceramide 3

Boosting the Skin's Natural Moisture System

With **WILFADERM**, biotech meets skin biology for **deeper hydration**.

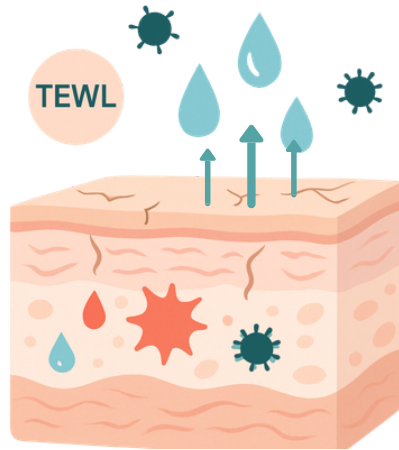
WILFADERM boosts filaggrin production by

up to 3x

in vitro, in turn, enhancing the skin's natural moisturizing factors to **enhance hydration and moisture retention**.

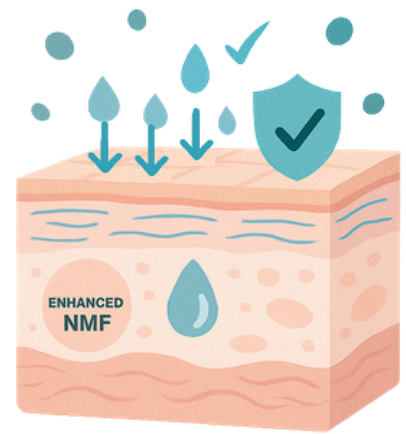
It strengthens the barrier to reduce dryness, redness, and flakiness, leaving skin soothed, resilient, and comfortably hydrated.

Damaged Skin Compromised Barrier Integrity



- ↑ **High TEWL**
Skin moisture loss
- ↓ **Low NMF**
Reduced hydration
- ↑ **Increased Inflammation & Redness**

Treated Skin With WILFADERM



- ↓ **Reduces TEWL**
Moisture loss prevention
- ↑ **Enhances NMF**
Increases skin hydration
- ↓ **Decreases Inflammation & Redness**

ENGINEERED FOR FLEXIBILITY ACROSS MODERN FORMULATIONS.

Formulation-Friendly

Stable in O/W and W/O systems
Blends with oils, esters, waxes

STABLE & SAFE

Oil-soluble
Non-microbial



Non-toxic



Non-irritating



Safe for all skin types

