

Personal Care

AAK

enhancing
the power
of nature



Lipex SheaTris™

Bioactive lipids for preventing collagen breakdown
and protecting against environmental stress

bioactives

Lipex SheaTris™

Lipex SheaTris is a bioactive ingredient for functional skin care. It is a concentrate of triterpene esters obtained by advanced processing methods and derived from sustainable shea butter. Lipex SheaTris offers high functionality for skin care applications showing skin restoring, soothing and protecting properties.

Lipex SheaTris revitalizes the skin

Lipex SheaTris was evaluated in an ex vivo study where skin explants were treated with a cream containing 0.5%.

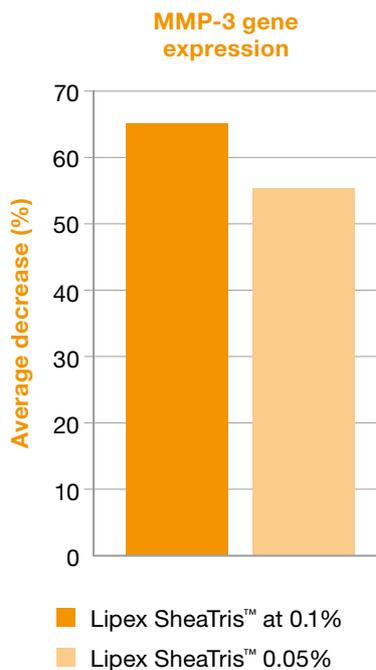
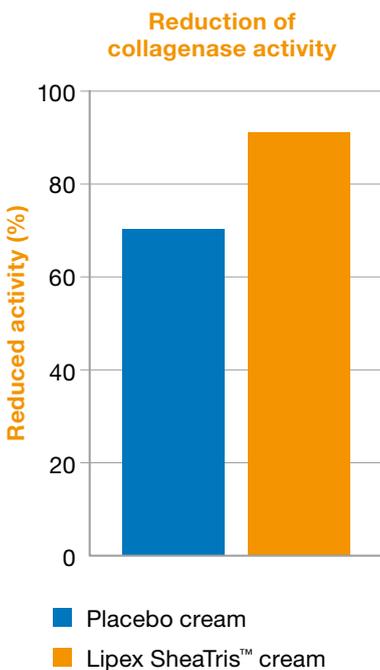
Lipex SheaTris. After repeated treatment on days 0, 1, 4 and 5, the results were evaluated on day 6. Several endpoints were studied to obtain a full picture of the activity of the shea butter triterpene esters.

Skin explants treated with the active cream showed a 26% increase in epidermal thickness versus placebo, and a well defined dermal-epidermal junction. This indicates an improved skin barrier for better moisturisation and protection of the skin.

The explants also showed 6%

increase of the dermal protein content versus placebo and untreated control. The mechanism for improved collagen was further investigated by measuring the collagenase activity. The results showed a significant reduction of the collagenase activity for the active cream. The conclusion was strengthened by a separate gene expression study of keratinocytes treated with Lipex SheaTris. This study showed a significant deactivation of the MMP-3 genes, indicating that the improved collagen status is caused by an inhibition of collagen breakdown.

Lipex Shea Tris™ protects skin collagen structures and fights premature skin ageing



Lipex Shea Tris protects against environmental stress

Shea butter triterpenes are known to reduce the effect of environmental stress conditions. Further study involved exposing skin explants to UV radiation and observing the release of inflammation markers such as TNF-a and PGE-2. The active cream showed a clear reduction of the inflammation markers after an exposure of 4 MED UVA+UVB, indicating that Lipex SheaTris may protect skin against effects that lead to premature ageing.

Applications and Claims

Lipex SheaTris is a bioactive ingredient suitable for all skin types and all kinds of cosmetic formulations. The recommended use level (0.3-0.5%) is easily incorporated into any formulation. Using Lipex SheaTris can lead to a luminous skin tone due to reduced internal and external environmental stress. It provides skin protection and revitalises elderly skin. Its skin strengthening effect also improves skin elasticity and firmness, resulting in a smooth and younger-looking skin.

- ◆ prevents collagen breakdown
- ◆ protects against environmental stress
- ◆ supports improved skin health

Product name	Lipex SheaTris™
INCI name	Butyrospermum Parkii Butter Extract (EU) Butyrospermum Parkii (Shea) Butter Extract (US)
Actives	Triterpene esters 50-65%
Physical form 20 °C	Thick paste
Regulatory status	Cosmetics Regulation 1223/2009 (EU) REACH pre-registered