

Actique™

Active Ingredients

Jarchem's Actique™ product line offers China INCI Approved Actives based on traditional Chinese medicine (TCM) and Biofermentation with varying benefits and are great in all types of aqueous and/or anhydrous applications.

Function Range Includes:

- Skin lightening
- Anti-pigmentation/evening of skin tone
- Anti-inflammation
- Improvement of skin barrier function
- Hydration



For more information
on our actives ask
to see our complete
Actique™ Brochure!

Skin Lightening/Brightening

ACTIQUE™ LIC 90

Glycyrrhiza Glabra (Licorice) Root Extract

Naturally derived, off-white powder extracted from the root of the *Glycyrrhiza Glabra Linne*. With its extremely low color value, **Actique™ LIC 90** can be used to replace Glabridin products with high Gardner values. Our unique advanced extraction process successfully yields a high content of pure Glabridin (>90% HPLC). This highly pure extract provides triple benefit effects, including skin lightening (stronger tyrosinase inhibition than Arbutin, Kojic Acid, Vitamin C, and Hydroquinone), reduction of inflammation from UV-B radiation and anti-oxidation activity. *In-vivo* chromameter readings demonstrated increases in skin lightening and facial redness reduction. Full studies available upon request.

ACTIQUE™ LIC

Glycyrrhiza Glabra (Licorice) Root Extract

Actique™ LIC is a naturally derived yellow-brown powder extracted from the root of the *Glycyrrhiza Glabra Linne*. It contains 40% minimum of pure Glabridin.

ACTIQUE™ AQUA LIC

Glycyrrhiza Glabra (Licorice) Root Extract (and) Hydroxypropyl Cyclodextrin (and) Pentylene Glycol (and) Aqua

A 2.0% white to pale yellow Glabridin solution which is soluble in water for your formulating needs.

ACTIQUE™ MAP

Magnesium Ascorbyl Phosphate

A high purity, water soluble skin-lightening active with high anti-oxidant activity.

Anti-Hyperpigmentation/Evening of Skin Tone

ACTIQUE™ PEARL

Hydrolyzed Conchiolin Protein

A unique dark spot correcting oligopeptide naturally derived from conchiolin ("pearl") protein. **Actique™ Pearl** is a water soluble active that functions as a highly effective endothelin antagonist. *In-vivo* testing showed a reduced appearance of hyperpigmentation and significant skin lightening. Full studies available upon request.

Multi-Function Skin Lightening

ACTIQUE™ LIGHT

Glycyrrhiza Glabra (Licorice) Root Extract (and) Hydrolyzed Conchiolin Protein (and) Hydroxypropyl Cyclodextrin (and) Pentylene Glycol

A highly efficacious dark spot removal and skin lightening system containing a mixture of Pearl Oligopeptides (3%) and Glabridin (2%). *In-vivo* chromameter readings proved this product to be an effective skin lightening agent.



Anti-Inflammation

ACTIQUE™ SHIKON

Caprylic/Capric Triglyceride (and) Lithospermum Erythrorhizon Root Extract

A potent anti-inflammatory derived from the Chinese medicinal herb, *Arnebia Euchroma (Royle) Johnst.* Has the ability to decrease inflammation, control oil and acne, and soothe the skin. This product also has the rare ability to add a natural pink or red color (heat stable) to all types of formulations. *Notice:* will darken if it comes in contact with ferrous (iron) like metals, therefore, contact with these should be avoided.



Improvement of Skin Barrier Function/Hydration

ACTIQUE™ CERAMIDE

Ceramide NG

Actique™ Ceramide mimics the ceramide-2 present in skin to preserve epidermal water content, strengthen the cohesion force of epidermal cells and repair and restore the skin barrier function.

ACTIQUE™ NAG

Acetyl Glucosamine

Actique™ NAG is a revolutionary ingredient that can promote the synthesis of Hyaluronic Acid (HA) and Glycosaminoglycans (GAGs) to protect the skin internally and externally. This product serves as a next generation moisturizer that complements topical HA to effectively moisturize the epidermis and dermis, strengthen the DEJ and tighten the skin. Acetyl Glucosamine can be used as a natural exfoliant and a replacement for AHAs in sensitive skin formulations. Can also be used as a skin lightening enhancer (tyrosinase inhibitor) when formulated with Niacinamide. Suggested use level of 0.5 – 3.0%.

ACTIQUE™ PGA

Sodium Polyglutamate

Actique™ PGA is a fermentation derived active that has exceptional skin benefits. This easy-to-use powder provides effective long lasting hydration and increases skin elasticity. Actique™ PGA retains moisture in the skin by preventing skin transepidermal water loss and increasing the production of the skin's Natural Moisturizing Factor (NMF). Actique™ PGA is bio-degradable, non-toxic and makes skin more hydrated and youthful. Actique™ PGA can also help maintain bleached hair strength and hydration by forming a protective layer on the hair strand.

ACTIQUE™ AQUA CERAMIDE

Ceramide NG (and) Steareth-30 (and) Cholesterol (and) Stearic Acid (and) Aqua

Actique™ Aqua Ceramide is based on the structure and benefits of ceramide-2, present in our skin. This product helps to repair the skin barrier function, improve skin hydration and reduce TEWL. It is also effective for improving hair hydrophobicity and smoothness. It can be added to cold-process formulations, which perfectly solves the troubles caused by the high melting point of traditional ceramides, making formulating easy!