

## THE SCIENCE WHITE PAPER SERIES OF IMAGE SKINCARE:

### **Beta Hydroxy Acids**

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#### **ABSTRACT**

Image Skincare offers products with many active, scientifically proven and researched key ingredients to achieve a certain result on the skin. In order to achieve the maximum benefit, not only one key ingredient, but an array of synergistically working ingredients, to target specific skin concerns, is found in every product. This concept is found throughout each and every line and not the name of the product identifies which ingredient is used, but the ingredient listing. All key ingredients are named on the international nomenclature of cosmetic ingredients (INCI) and are furthermore described on product key ingredient manuals. The uniqueness about Image Skincare is the blend of these ingredients into an advanced formulation with a perfectly balanced pH, which dictated the effectiveness of several ingredients. All products follow the concept of the exclusive CPN System™, a unique blending of Correction, Prevention and Nutrition, only offered by Image Skincare. This three in one concept greatly enhances the effect of each product on the skin and achieves results quicker and more profound.

#### **General Findings on Salicylic Acid**

Salicylic acid is a beta hydroxyl acid that is derived from the metabolism of salicin. Salicin is the active extract of the bark from willow, a plant that has been used medicinally for

centuries by the Greeks and Native Americans. It is an organic acid that is produced when it is biosynthesized from the amino acid phenylalanine. One of its uses is to help clear acne and prevent pimples and skin blemishes. It is also used as a keratolytic agent in the treatment of hyperkeratotic conditions such as psoriasis, seborrhoeic eczema, ichthyoses and neurodermatitis. Salicylic acid works on acne by reducing swelling and redness and unplugging blocked skin pores to allow pimples to shrink. To treat other skin conditions it softens and loosens dry, scaly, or thickened skin so that it rids the epidermis of damaged or diseased skin cells.

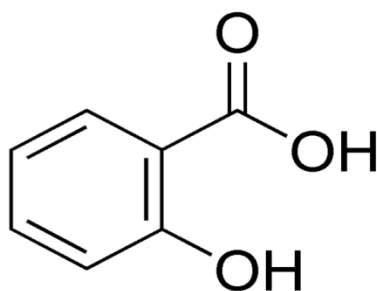


Figure 1: Chemical structure of salicylic acid

### Clinical Research about Salicylic Acid

In a recent research, salicylic acid was tested to assess the efficacy and safety of salicylic acid peels as a treatment for acne vulgaris. As the method to test this, Thirty-five patients with facial acne were treated with 30% salicylic acid peels biweekly for 12 weeks. A blinded evaluator assessed lesion counts and the dermatologists score of improvement. Also recorded were safety assessments and patient's evaluations. The results revealed both inflammatory and non inflammatory acne lesion counts were decreased in proportion to the duration of treatment. Along with this the acne grade of skin significantly decreased over the course of

the study according to the doctor's scores. The study concluded salicylic acid peels are an effective and safe therapy for acne vulgaris. Salicylic acid pads have also been proven to reduce the number of primary lesions and thereby the number and severity of all lesions associated with acne in three placebo-controlled studies

### Clinical Results

Salicylic acid has also been proven to repair oily skin, textural changes, melasma, and post-inflammatory hyperpigmentation. In one study, 25 patients were treated with a series of five salicylic acid chemical peels with the concentration of 20% and 30% salicylic acid. The peels were performed at 2 week intervals. Of the 25 patients, 9 had post-inflammatory hyperpigmentation, 6 had melasma, and 5 had rough, oily skin with enlarged pores. The result was that moderate to significant improvement was observed in 88% of the patients.

**Image Skincare offers effective home care products in the Clear Cell line with BHA content. Customized treatments are also available, the Acne Lift Treatment™ and Jessners Peelings contain both Salicylic Acid. For more information and clinical study results please visit us on our website: [www.imageskincare.com](http://www.imageskincare.com) or call us at 1-800-796-SKIN**

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