

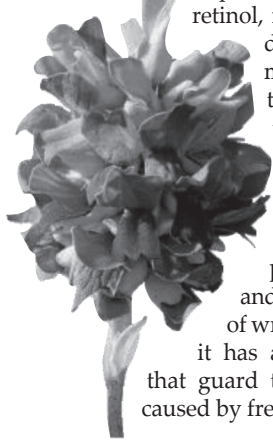
# “Bakuchiol – Bakuchipure™: Nature’s answer to retinol for radiant and youthful skin”

DR. PRATIBHA

**B**AKUCHIOL is a bioactive compound derived from the seeds of the *Psoralea corylifolia* plant, also known as "babchi" or "bakuchiol." Because of its amazing capacity to replicate the benefits of retinoids without any of the negative side effects, it is frequently referred to as "nature's retinol." Bakuchiol is a potent and sustainable substance that is revolutionizing the skincare industry. It is a natural substitute for retinol.

## Bakuchiol: The Natural Retinol Alternative

Chemical Structure of Bakuchiol, also known as 1,4,7-trimethyl-8-(3,4,5-trimethoxyphenyl)-1,2,3,4-tetrahydroisoquinolin-2-one, is a mero-



terpene compound. Unlike retinol, it is not a vitamin A derivative, which means it lacks the potential for skin irritation and photosensitivity.

It stimulates the creation of collagen, which improves skin texture and lessens the visibility of wrinkles. Additionally, it has antioxidant qualities that guard the skin from harm caused by free radicals.

BA-KUCHIPURE™ (Bakuchiol 99%) developed in SRIC (SUNPURE RESEARCH INCUBATION CENTRE). It is extracted by the Super Critical Extraction Method / CO2 Extraction.

Trade Name	BAKUCHIPURE™
Botanical Name	<i>Psoralea corylifolia</i>
Plant part used	Seeds
Grades	USP/Non-USP-Ethanol/Oil Base
INCI Name	Bakuchiol
Appearance	Dark red color viscous liquid
Purity	Min. 99% by HPLC
Application	A cosmetic ingredient stable in formulate, easy to formulate with & has been shown to stabilize retinol



## Bakuchiol vs. Retinol: A Head-to-Head Comparison

2.1 A 2018 study published in the British Journal of Dermatology found that Bakuchiol was as effective as retinol in reducing the appearance of fine lines and wrinkles, with the added benefit of reduced skin irritation.

2.2 Skin Barrier Role According to a 2020 study published in the Journal of Cosmetic Dermatology, bakuchiol may strengthen the skin's protective barrier, improving hydration and providing defence against environmental stresses.

## Bakuchiol's Multifaceted Benefits

3.1 **Reversing:** Bakuchiol's ability to accelerate skin cell turnover

and boost collagen formation leads to minimize the fine lines and wrinkles.

3.2 **Acne Management:** Bakuchiol possesses anti-inflammatory properties, making it effective in managing acne and reducing redness and blemishes.

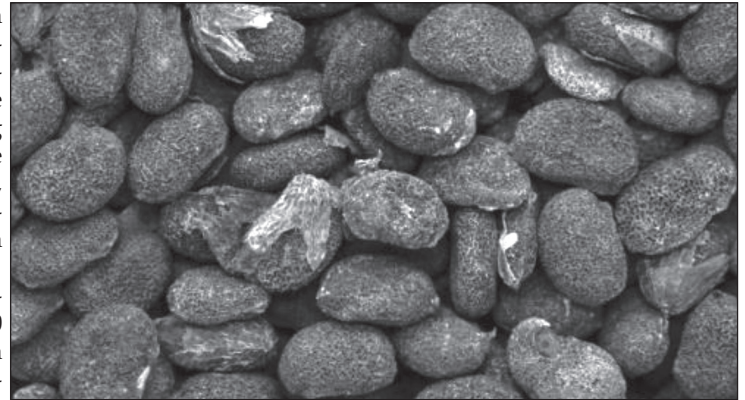
3.3 **Overexposure to sun:** Bakuchiol has shown promise in treating uneven skin tone, making it a feasible therapy choice to reduce hyperpigmentation.

## Bakuchiol and Vitiligo:

Bakuchiol can activate melanocytes, which are the cells that produce melanin, the pigment that gives skin its colour. In vitiligo-affected areas, this stimulation may cause re-pigmentation, possibly returning the skin to its original colour.



## Applications of Bakuchiol 99% (BAKUCHIPURE™) in Different Products Globally:



The benefits of BAKUCHIPURE™ have been



noticed by the global cosmetic industry, which has quickly incorporated it into a variety of skincare products. The ingredient has been added to moisturizers, anti-aging creams, facial serums, and even acne remedies. We are proud to offer BAKUCHIPURE™ as a key component in creating innovative, sustainable, and transformative skincare formulations. Embrace the power of BAKUCHIPURE™ and unlock a new era of beauty that combines science and nature for radiant, youthful skin. Let your radiant transformation begin! ○

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