



Bakuchiol

Natural and safe alternative to retinol

With a structure close to that of resveratrol, bakuchiol first attracted attention for anti-cancer applications or even to fight osteoporosis as shown by its use in Chinese medicine. In recent years, Bakuchiol has found a place in the world of dermatology.

Bakuchiol can significantly **reduce wrinkles** by different mechanisms and is suitable for sensitive skin. It is also able to **decrease acne** not only by anti-bacterial action and will support the improvement of the grain as well as the **skin complexion**.

Indeed, many publications demonstrate its effectiveness in boosting the production of collagen I, II and IV but also its certain protection of the mitochondrial genome as well as the increase of mitochondrial biogenesis.

Studies also show a **similar mechanism to retinol**, for activities such as DNA microarray. The major difference being that the bakuchiol molecule is not only natural but also **non-irritating**. No photosensitivity was observed while using this ingredient in day-care formulations.

Anti-acne
Control sebum production and
sebum integrity

Anti-aging
Inhibits pro-inflammation
genes, strong anti-oxidant



Bakuchiol, at a glance

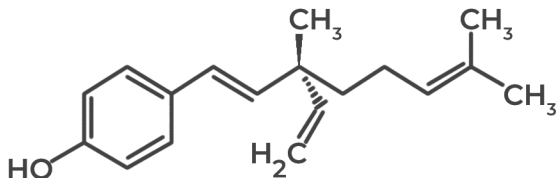


Figure 1:
Chemical structure of Bakuchiol

Isolated from the *Psoralea Corylifolia* plant, by using a controlled process, Connect Chemicals' Bakuchiol has a very high purity. The psoralens are systematically controlled to ensure the highest safety of the product.

Origin	Psoralea Corylifolia
INCI	Bakuchiol
Purity	>98%
COSMOS	On-going

Appearance	Yellowish liquid
Solubility	Oil soluble
Use level	0.5-1.5%



Formulation example

Base for light anti-aging daycare emulsion

	Product / INCI Name	% (w/w)
A	Glyceryl Stearate SE	6,6
	Stearic acid	2,2
	Cetearyl Alcohol	2,3
	Citropol® H / Polycitronello ²	11,9
	CitroButter® S / Polycitronellol and helianthus annuus (Sunflower) seed wax and Butyrospermum parkii (Shea) butter ²	2,1
B	Water	72,3
	Elix-CARE PDO / Propanediol ¹	0,8
C	Elix-KON PEHG ¹	1
	Bakuchiol ¹	0,8

Suppliers:

¹ Connect Chemicals

² P2 Science distributed by Connect Chemicals

Application

- Anti-aging
- Anti-acne
- Anti-inflammation
- Suitable for daycare
- Suitable for pregnant and breast feeding women