



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 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

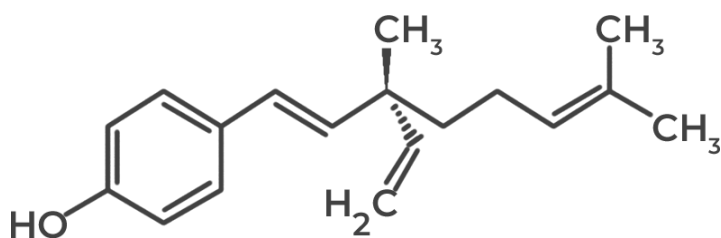


Figure 1:
Chemical structure of Bakuchiol

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 / Polycitronellol ²	11.9
	CitroButter® S / Polycitronellol, Helianthus annuus (Sunflower) seed wax, Butyrospermum parkii (Shea) butter ²	2.1
B	Water	72.3
	Elix-CARE PDO / Propanediol ¹	0.8
C	Elix-KON PEHG / Phenoxyethanol, Ethylhexylglycerin ¹	72.3
	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