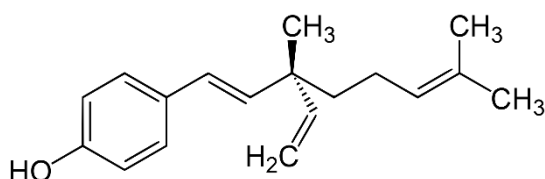


# Technical Data Sheet

## SFG Bakuchiol

Bakuchiol  
CAS# 10309-37-2



Mol. wt. 256.38  
Formula C<sub>18</sub>H<sub>24</sub>O

### Feature

- Antioxidant
- Improve skin texture, tone
- Hydration
- Anti-Acne
- Retinol substitute
- Extract from plant (Vegan)
- Non-classified for Preservatives on Regulation
- Water-soluble

### Description

SFG Bakuchiol is a chemical compound having partial terpenoid structure called meroterpene. It has a similar activity with retinol, it has excellent antioxidant properties. As a result, it reduces fine lines and wrinkles on the skin and improves skin elasticity, texture, and skin tone. Moreover, it can be applied to anti-acne product or product for sensitive skin, due to its perfect skin calming property. Comparing with retinol, bakuchiol has more stable structure, therefore, it has longer shelf life, and lower light sensitivity. So, it can be used more widely.

### Specifications

Item	Specification
Appearance	Light golden yellow color viscous liquid with Characteristic odor
Identification (TLC)	To match with the reference standard pattern
Assay (% , HPLC)	≥ 99.0, w/w on dry basis
Assay (ppm, HPLC)	
Content of Psoralen	≤ 10.0
Content of Angelicin	

Residual solvents	Should comply as per ICH/USP
Residual Pesticides	To comply as per USP for botanicals
Moisture (% , KF)	≤ 2.0
Solubility	Soluble in alcohol and DMSO
Heavy metals (ppm)	
Lead	≤ 2.0
Arsenic	≤ 2.0
Cadmium	≤ 1.0
Mercury	≤ 1.0
Total plate count (cfu/g)	≤ 1000
<i>Yeast &amp; Molds</i>	≤ 100
<i>Escherichia coli</i>	Absent/10g
<i>Salmonella</i>	Absent/10g
<i>Staphylococcus aureus</i>	Absent/10g
<i>Pseudomonas aeruginosa</i>	Absent/10g
Total coliforms	Absent/10g

## Applications

It can be used widely for skincare products, such as emulsion, lotion, and cream.

## Storage

Store in original sealed container at +10 to +30°C; Avoid exposure to light & heat Store in cool place. Keep container tightly closed.

**Shelf Life** 5 years