



Sunpure Extracts  
Private Limited

# GLABRIDIN

THE PERFECT COMPONENT TO  
ADDRESS HYPERPIGMENTATION







# The Origin of Glabridin

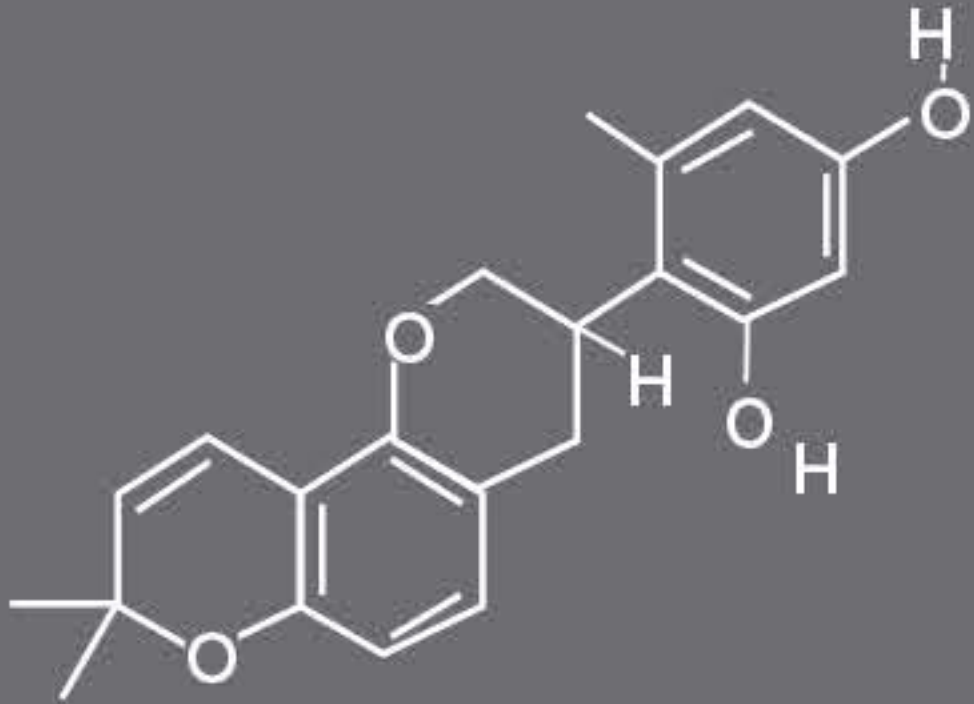
The plant from which licorice extract is made contains a significant substance called **glabridin**. It's a naturally occurring phenolic compound that falls under the flavonoid group of chemicals. The licorice plant, *Glycyrrhiza glabra*, is indigenous to Southern Europe and some regions of Asia. Mostly found in India, Uzbekistan, and other country also. It is derived from the dried rhizomes of *Glycyrrhiza glabra*.

## How does Glabridin work on hyperpigmentation?

Glabridin-containing cosmetics are designed to cure inflammatory diseases like acne and skin flaws caused by ageing and the environment. Its brightening and anti-inflammatory properties account for its exceptional effectiveness on all skin types.

## How to blemishes with Sunpure’s Glabridin?

**Glabridin is a molecule well tolerated by all skin types**, so it is possible to use it as a pure active ingredient to enhance its targeted action. SEPL develops five different specifications of Glabridin: **95% white powder, 90% white powder, 40% white powder & 40% brown powder**. Glabaridin is soluble in organic solvents and in Propylene glycol. That can meet customers’ different needs. Numerous studies have shown that Glabridin can effectively inhibit the activity of various enzymes during melanin production, especially inhibiting tyrosinase activity. Moreover, it has other skin-care effects such as anti-inflammation, anti-oxidation and sun protection. It is a safe, mild and effective whitening active ingredient.

Product Name	: Glabridin
CAS Number	: 59870-68-7
INCI Name	: GLYCYRRHIZA GLABRA (LICORICE) ROOT EXTRACT
Molecular Weight	: 324.37g/mol
Molecular Formula	: C <sub>20</sub> H <sub>20</sub> O <sub>4</sub>
Molecular Structure	: 

## Glabridin Specifications offered by Sunpure

Product Name:	Specification	Color
Glabridin	95% BY HPLC	White powder
	90% BY HPLC	White powder
	40% BY HPLC	White powder
	40% By HPLC	Brown powder

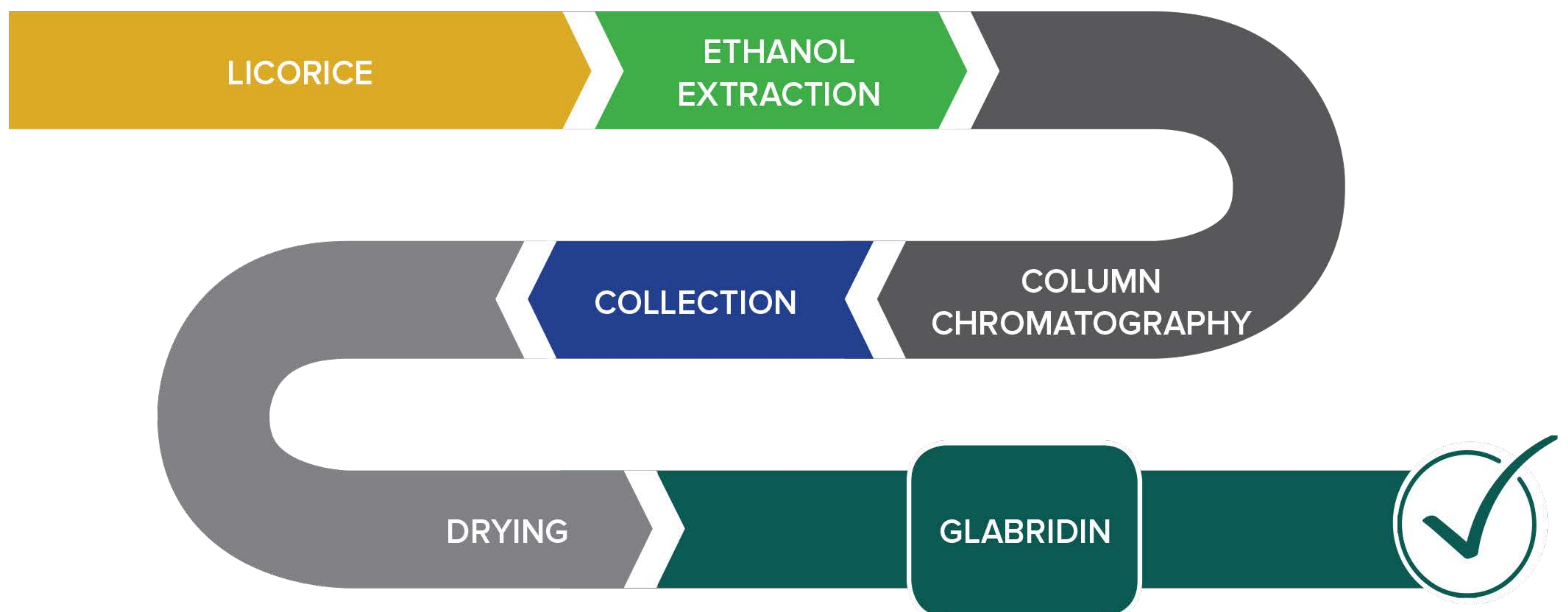


## Glabridin Benefits

- Skin whitening
- Anti-inflammatory and antibacterial
- Antioxidant
- Sunscreen



## Glabridin Process Flow Chart



## How does this powerful licorice extract work?

By preventing the melanin pigment—which gives skin its colour and is overproduced in some regions—from being produced. It aids in lessening and fading facial skin imperfections. By lowering the intensity of black spots, glabridin brightens and evens out the complexion.

## General Information/Characteristics

*Glycyrrhiza Glabra* is used as a natural whitening emollient. Its primary mechanism of action is to block the activity of the tyrosinase enzyme, which is involved in the synthesis of melanin, the pigment that gives skin its colour. Glabridin is a common ingredient in skin-lightening and brightening products because it inhibits tyrosinase, which helps to lighten and even out skin tone.

Furthermore, glabridin has antioxidant qualities, which means it can counteract dangerous free radicals in the skin. Free radicals can oxidatively damage cells, which can result in skin damage and early ageing. Glabridin helps shield the skin from oxidative stress and preserve its youthful appearance by scavenging free radicals. Additionally, it has antioxidant properties similar to Vitamin E.

## Benefits/Application

### Skin care benefits:

- Whitening/lightening effects.
- Advantageous moisturization and oil production control.
- Provides the skin with soothing action in acne treatment.
- Imparts antioxidant action.

### Applications:

- Whiteners, moisturizers and tonics.
- Restorative Gel masks, complexion correctors and anti-aging creams
- Anti-acne and anti-inflammatory topical treatments.



# References

1. Wang, L., Yang, R., Yuan, B., et al. The antiviral and antimicrobial activities of licorice, a widely-used Chinese herb. Acta. Pharmac. Sin. B 5(4), 310-315 (2015).

2. Ming, L.J. and Yin, A.C. Therapeutic effects of glycyrrhizic acid. Nat. Prod. Commun. 8(3), 415-418 (2013).

3. Lee, K.J., Oh, Y.C., Cho, W.K., et al. Antioxidant and anti-inflammatory activity determination of one hundred kinds of pure chemical compounds using offline and online screening HPLC assay. Evid. Based Complement. Alternat. Med. 165457 (2015).

4. Simmler, C., Pauli, G.F., and Chen, S.-N. Phytochemistry and biological properties of glabridin. Fitoterapia 90, 160-184 (2013).



## SUNPURE CERTIFICATIONS AND ACCREDITATION

 DUNS	 ISO	 HALAL	 DELHI CHAMBER OF COMMERCE	 FEDERATION OF INDIAN EXPORT ORGANISATIONS
 SPICES BOARD	 GMP	 FSSAI	 USFDA	 PHARMEXCIL CERTIFICATE



**REGISTERED ADDRESS**  
Sunpure House  
L – 99 A, Dilshad Garden  
Delhi – 110095, INDIA

**MANUFACTURING FACILITY**  
E-25, Gopalpur Industrial Area  
Sikandrabad, Bulandshahr (U.P.)  
203205, India

**CORPORATE ADDRESS**  
Sunpure House, Plot No. 11/29, Site-4, Sahibabad Industrial Area Ghaziabad,  
U.P. 201010, INDIA  
**E-mail:** info@sunpure.co.in | **Contact:** +91-120-3761106, +91-120-2989896-97

**Website:** <https://www.sunpure.co.in> | **Linkedin:** <https://www.linkedin.com/company/sunpureextracts/>

*“This statement has not been evaluated by the food and drug administration. This product is not intended to diagnose, treat, cure, or prevent any disease.”*