Sunpure Extracts®
Private Limited

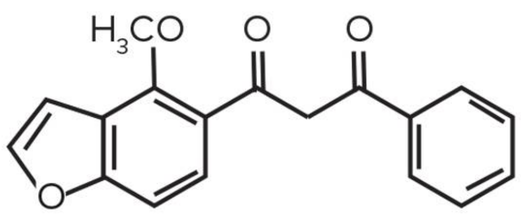
Discover the Magnificence of Nature in Cosmetics with **Pongamol** and **Karanjin Extract**

www.pongamol.com

PONGAMOL EXTRACT: A NATURAL REMEDY FOR SKIN RADIANCE AND UV PROTECTION

The *Pongamia pinnata* tree's seeds are the source of the naturally occurring chemical pongamol, which is widely recognized for its remarkable UV protection properties. Pongamol provides a gentle effective screen to help reduce the harmful effects of UV radiation and the aging process caused by prolonged sun exposure.

The Chemical structure is as follows:



Pongamol Extract 95% Specification

Specification	
Product	Pongamol Extract Powder
Botanical Name	*Pongamia pinnata*
INCI Name	Pongamia Pinnata Seed Extract
Pongamol Extract CAS No.	484-33-3
Colour	Cream Colour Powder
Appearance	Powder
Storage	Cool, Dark & Dry Places
Assay	Pongamol by HPLC – NLT 95%

The key Features of Sunpure's Pongamol Extract 95%

1. **UV Protection:** The anti-aging properties of pongamol extract shields your skin from damaging UV rays, preserving its young appearance. Pongamol works as a natural and organic sunscreen.

2. **Rich in antioxidants:** It supports a resilient and healthy complexion by scavenging free radicals.

3. **Hydration Boost:** The nourishing and moisturizing properties of pongamol extract enhance the natural vibrancy of the skin.

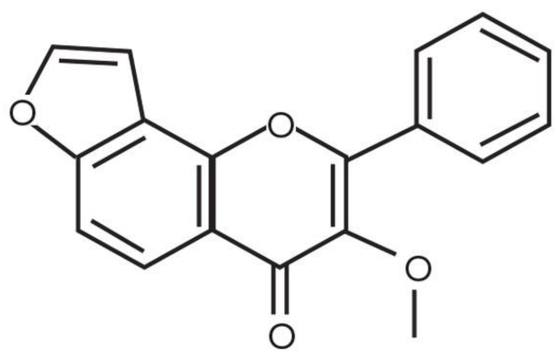
India and its neighbouring countries are major growers of the monotypic genus Pongamia pinnata. Pongamia pinnata's phytochemistry reveals the presence of several flavonoids, including furanoflavones, furanoflavonols, furanochalcones, and pyranochalcones. The Pongamia pinnata tree, popularly called the Indian beech tree, yields seeds that are used to make pongamol extract.

The seed oil of Pongamia species contains oleic, stearic, and palmitic acids in addition to trace levels of pongamol and karanjin, two naturally occurring sunscreens. Pongamol has been used in traditional medicine to treat a variety of conditions, including haemorrhoids, wounds, and skin conditions. Because of their advantages for skin and hair care, Pongamol and Karanjin extracts from Pongamia pinnata seeds—are becoming more and more known for their possible uses in cosmetics.

KARANJIN EXTRACT: REVEALING THE STRENGTH PROTECTION FOR SKIN AND HAIR

Another bioactive substance that is extracted from Pongamia pinnata seeds is karanjin, which has antibacterial and insecticidal qualities. Although karanjin is well known for its therapeutic benefits, it may also be used in cosmetics.

The Chemical structure is as follows:



Karanjin Extract 95% Specification

Specification	
Product	Karanjin Extract Powder
Botanical Name	*Pongamia pinnata*
INCI Name	Pongamia Pinnata Seed Extract
Karanjin Extract CAS No.	521-88-0
Colour	White to Off-white Colour Powder
Appearance	Powder
Storage	Cool, Dark & Dry Places
Assay	Karanjin by HPLC – NLT 95%

The key feature of Sunpure's Karanjin Extract 95%

1. **Moisturizing:** Naturally hydrating and softening the skin, **Karanja oil** is an emollient. People with dry skin may benefit from this as it lessens the visibility of wrinkles. Omega-9 fatty acid-rich karanja oil profoundly conditions hair, making it smoother and easier to handle.

2. **Anti-inflammatory:** It has anti-inflammatory effects that can help relieve inflamed skin. This may be good for eczema and psoriasis.

3. **Antibacterial and antifungal:** It contains antibacterial and antifungal qualities that can be used to treat acne and other skin problems. These qualities may relieve dry, itchy scalps and maybe combat dandruff caused by fungal or bacterial infections.

4. **UV protection:** Karanjin contains antioxidants, which can help protect the skin from sun damage.

References

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2. THAKUR, S., H. KAURAV, and G. CHAUDHARY. “KARANJ (PONGAMIA PINNATA) – AN AYURVEDIC AND MODERN OVERVIEW: KARANJ (PONGAMIA PINNATA)”. Asian Journal of Pharmaceutical and Clinical Research, vol. 14, no. 6, June 2021, pp. 14-21, doi:10.22159/ajpcr. 2021.v14i6.41367.
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