Technical Data Sheet

GLABRDIN 40%

Description:
Licorice species are herbs native to the Mediterranean area. The root of licorice is a traditional medicine used mainly for the treatment of peptic ulcer, hepatitis C, and pulmonary and skin diseases.
Image skincare uses Glabridin in its main function as a potent, natural skin-whitening agent. It is known for its beneficial effects on the skin due to its anti-inflammatory and antioxidant properties. In addition, glabridin inhibits melanogenesis. Some researchers have established that this effect may be due to the inhibition of tyrosinase activity. Glabridin whitens skin without being cytotoxic (destruction of pigment cells).

INCI name
Glabridin

Registrations
CAS-No: 59870-68-7
EINECS No:

Molecular Formula: C_{20}H_{20}O_{4}
Specifications

Appearance : Yellow orange powder
Odor : Slight characteristic odor
Assay : 40.0% minimum
Loss on drying: 5.0% maximum
Melting point: 154-155°C
Glabridin contents (HPLC): >40%

Benefits
Glabridin is an isoflavan that improves mitochondria function. It has been shown to stimulate DNA synthesis in human endothelial cells. Glabridin also has been shown to have a bi-phasic effect on proliferation of human vascular smooth muscle cells. Glabridin inhibits the inflammatory reaction by blocking cyclooxygenase and preventing the formation of free radicals such as superoxide anions.

- Brightening
- Skin lightening
- Anti-aging

Application
- Cream
- Lotion cream

Solutions
- Propylene Glycol
- 1, 3 butylen Glycol
- Ethanol
- Scarcely soluble in glycerin
**Recommended Dosage:**

Cream: 0.02 – 0.05%

**Storage:**

Keep container tightly closed. Keep container in a cool, well ventilated area.