

Detoxophane

Activating the skin's
detoxification system



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Anti-Aging with Cress Sprouts

Detoxophane is a purified extract of Swiss garden cress sprouts. Sprouts have the highest concentration of protective molecules and phytonutrients, the compounds in plants known for their health promoting properties.

Detoxophane contains glucosinolates, well known activators of phase II detoxification enzymes, and the photoprotective compound sinapoyl malate. Detoxophane enhances the resistance of skin cells against environmental pollutants and intrinsic reactive molecules.

Thus, Detoxophane cleans off and protects our skin cells against dangerous molecules. It is an effective anti-aging ingredient for all skin care products.

Detoxophane

- Protects skin against environmental stress factors
- Accelerates the self-defense capabilities of the skin
- Second-generation antioxidant
- Superfood ingredient for detox and anti-pollution

Applications

- Protective day cream formulations
- Detox city creams
- Regenerative night creams
- Sun care formulations
- Wellness and SPA products

Formulating with Detoxophane

- Recommended use level: 0.5–3 %
- Incorporation: For cold processes, dissolve Detoxophane into the aqueous phase. In cold/hot processes, add during the cooling phase below 40°C.
- Thermostability: temperatures of up to 60°C for a short time do not affect the stability of Detoxophane.

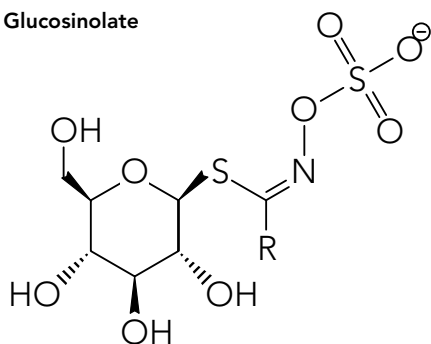
INCI (EU/PCPC) Declaration

Detoxophane (standard version): Lepidium Sativum Sprout Extract (and) Glycerin (and) Lecithin (and) Phenoxyethanol (and) Aqua/Water

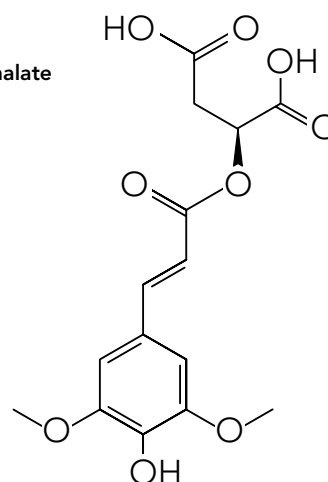
Detoxophane nc (version without preservatives): Lepidium Sativum Sprout Extract (and) Lecithin (and) Glycerin (and) Aqua/Water

Cress Sprouts, the Ideal Source for Glucosinolates and Sinapoyl Malate

Glucosinolate



Sinapoyl malate



Structures of glucosinolate and sinapoyl malate. Members of the Cruciferae family including broccoli, cauliflower, kale, radish, horse radish and cress were found to contain important health promoting substances, the phytonutrient glucosinolate. Sprouts that are a few days old have the highest concentration of this compound. Sinapic acid derivatives, the most important of which is sinapoyl malate, are found in the top layer of the brassica family, such as garden cress, and particularly in the young shoots. Sinapoyl malate has been identified as the UV-absorbing molecule that protects these young and fragile plants from the negative effects of UVB overexposure.

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Marketing Benefits

- Time-released activity thanks to the liposomal form
- Oil-soluble version and version without preservatives available

Innovating for your success

Mibelle Biochemistry designs and develops innovative, high-quality actives based on naturally derived compounds and profound scientific know-how. Inspired by nature – Realized by science.



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