

Oenanthe extracts and their cosmetic and cosmeceutical uses.

KEYWORDS

- ☐ OENANTHE SPP
- ☐ CICUTOXIN
- ☐ OENANTHOTOXIN
- ☐ DIHYDROENANTHOTOXIN
- ☐ SKIN AGING
- ☐ CUTANEOUS PTOSIS

AREA

- ☐ CHEMISTRY & BIOTECHNOLOGY

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Patent for invention.

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Sapienza Università di Roma 45%,
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Inventors

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Industrial & Commercial Reference

Cosmetics, Cosmetic Industries.

Time to Market

Cosmetic have been produced.

LICENSED



Abstract

The invention relates to a vegetable extract of *Oenanthe spp* characterized by the presence of convulsive polyacetylene compounds, such as cicutoxin, oenanthotoxin, and dihydrooenanthotoxin, to be used in cosmetic and cosmeceutical fields.

These extracts are obtained from non-edible plants of *Oenanthe spp*.

The technical effect shown by these oenanthotoxins is to perform a tensive action on the epidermis to counteract wrinkles, especially pre-existing wrinkles.

The extracts are preferably obtained from rhizomes, also either fresh and dried flowers, fruits, leaves, stems and roots can be used.



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Technical Description

The extracts of the invention can be used alone or in combination with other active principles known to the skilled artisan. In formulation for topical use they are capable of providing a skin tensive effect that is able to remedy wrinkle formation and therefore effectively and briefly counteract mild to moderate grade ptosis without the need of invasive interventions and without side effects.

The extracts are also effective in counteracting skin aging and in restoring proper trophism.

With such extracts, cosmetic formulations such as cleansing milks, aqueous tonics, pure alcohol solutions, masks, emulsions, water-based gels, lipogels, face oils can be prepared.



Technologies & Advantages

Skin aging results in the formation of wrinkles due to the decrease of elastin, glycosaminoglycan and collagen production by the dermis, which causes the epidermis relaxation and so the skin is less elastic and has a relaxed and flabby appearance. This becomes evident when the atrophy of the cutaneous and subcutaneous tissues causes facial wrinkles, falling of sore throat due to gravity, perilabial vertical lines and glabellar wrinkles (ptosis).

The remedies for counteracting wrinkles are of a local type: injection of botulinum toxin, injection of filling material (collagen, hyaluronic acid), implant of collagen matrices or biocompatible material in the skin, transplantation of fat tissue from the abdomen to delicate areas of the face (mouth, lips). These interventions are expensive and should be repeated at intervals of 2-3 or 5-6 months depending on the used technique.

The extracts of *Oenanthe spp* have proved to be particularly effective in slowing down the appearance of new wrinkles and at the same time attenuating, with a lifting effect, the existing wrinkles.

Applications

With the extracts of *Oenanthe spp* of the invention, cosmetic formulations such as cleansing milks, aqueous tonic, alcohol solutions, masks, emulsions, aqueous gel, lipogels, face oils can be made.

They can be combined with other functional principles such as vitamins, UV filters, oxides and pigments, natural extracts such as *Aloe vera*, *Camellia sinensis*, *Humulus lupulus*, *Aesculus spp*, Fitostimoline®, Essential Oils, Vitamins and Pro-Vitamins, Collagen, Natural Moisturizing Factor (NMF), Coenzyme Q10, Riboflavin, β -carotene, Elastin, Hyaluronic Acid.

The extracts have proven to be particularly effective in the prevention and treatment of skin relaxation, with particular reference to mild to moderate skin ptosis, as tensor agents of the epidermis, and to counteract skin aging and re-establish proper trophism.



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