



SCOTS PINE BARK BOTANICAL EXTRACT

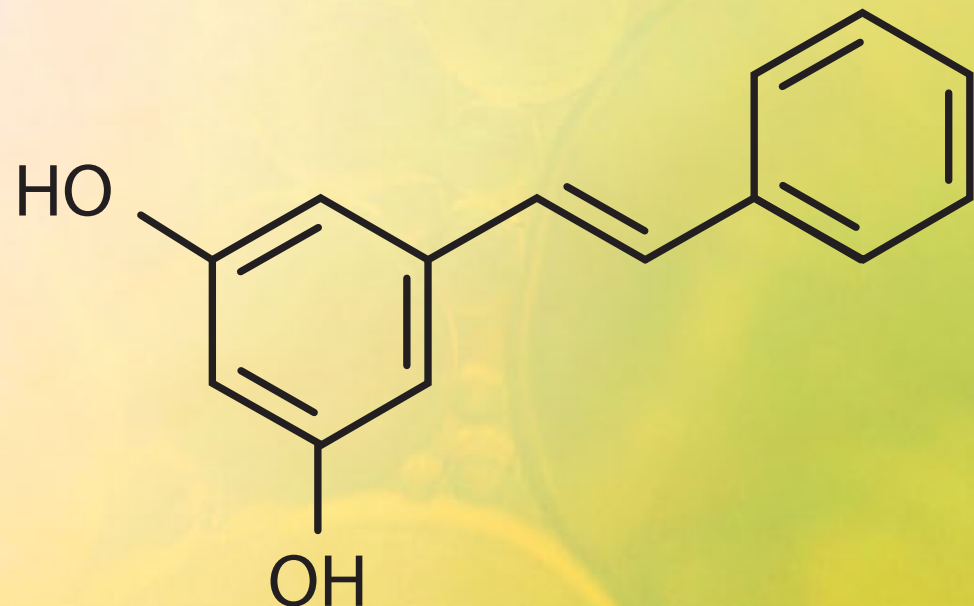
INCI: *PINUS SYLVESTRIS* BARK EXTRACT

French forestry and sawmill by-products, such as sustainably harvested pine bark, are repurposed by Antofenol to extract pinosylvin using its patented hyperfrequency technology.

→ This innovative process maximizes the value of natural resources while promoting sustainability.

BIOCHEMICAL COMPOSITION

- Pinosylvine: 1.8 %
- Pinocambrine
- Caffeic acid
- Catechin





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Based on literature review, pine bark extract could present interesting proprieties:

- **Preservation of collagen:** inhibits the enzymes responsible for the breakdown of collagen and elastin, thus delaying the appearance of fine lines and wrinkles.
- **Photoprotection:** strengthens the skin's resistance to UV rays and limits the harmful effects of the sun, in addition to sun protection.
- **Reduction of redness and irritation:** flavonoids and phenolic compounds calm sensitive or redness-prone skin (rosacea, eczema, reactive skin).
- **Soothing action:** reduces inflammation caused by external aggressions (pollution, UV rays, wind, cold).
- **Repair and healing:** promotes skin regeneration, which helps to improve the appearance of scars and blemishes.
- **Antiseptic and antibacterial action:** has purifying properties that help to fight pimples, blackheads and excess sebum.
- **Sebum regulation:** helps to balance sebum production, making it an excellent active ingredient for purifying and mattifying treatments. damage and improving cell regeneration.
- **Fortifying and anti-hair loss:** stimulate microcirculation in the scalp, promoting hair growth. Protects hair follicles from oxidative stress, slowing down hair loss.





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REGULATION

INCI	<i>Pinus Sylvestris</i> bark extract
Origin	France, by-product
Preservation	Preservative free
Certification	Cosmos approbation on demand
Natural index origin (ISO 16128)	100.0 %

TECHNICAL

Appearance	Limpid orange liquid
Solubility	Water soluble
Recommended dosage	0.5 % - 5.0 %
Leads compounds	Pinosylvine 1.8 %

APPLICATIONS

- Based on literature review, pine bark extract present several applications:
antioxidant, anti-aging, soothing, anti-inflammatory, detoxifying, purifying, hair care.

