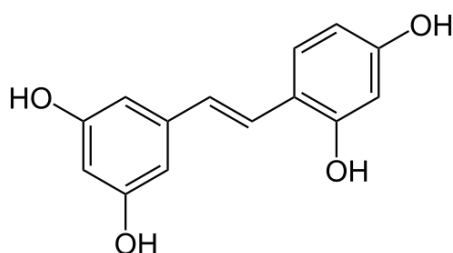




NATURAL HERBAL PRODUCTS

Oxyresveratrol **(*Artocarpus lakoocha*) Extract Liquid**



Ethnopharmacology

Artocarpus lakoocha Roxb belongs to Moraceae family which also known as Ma-Haad in Thai. This plant is widely distributed in South-east Asia especially Thailand. For centuries in Thai traditional medicine, the water extract of Ma-Haad has been used for anti-helmintic.

Scientific Information



Artocarpus lakoocha heart wood

The oxyresveratrol is a major compound found in heart wood of Ma-Haad. Oxyresveratrol exhibits potent inhibitory effect with an IC₅₀ value of 1.2 μ M on tyrosinase activity, which is 32 times a more potent inhibition than kojic acid (IC₅₀ 40.1 μ M). Oxyresveratrol has a stronger inhibition of tyrosinase on melanoma cell line than kojic acid. Oxyresveratrol offers approximately 150 times more inhibitive potency than resveratrol making the compound ideal for use as a de-pigmenting agent in the use of cosmetic skin-whitening products and medical agents for hyperpigmentation disorders, and does not exhibit any of the side-effects associated with the current market's 'melasma drug' (Hydroquinone).



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NATURAL HERBAL PRODUCTS

Benefits

- Tyrosinase inhibitory activity (whitening agent)
- Potent antioxidants and free radical scavengers activity
- Potential neuroprotective effect and inhibits the apoptotic cell death
- Anti-herpes simplex virus
- Anti-helminthic

Applications

- Cosmetics
- Cosmeceuticals
- Etc.

Quality Control

High performance liquid chromatography (HPLC) was used for control a quality of this herb extract with a quantitative and qualitative which oxyresveratrol is a marker.

Packaging

Standard Package: Aluminum bottle
Plastic gallon container

Packaging can be provided in a variety of container types, depending on customs requirements.

Recommendations

- Dosage: 2-6% in cosmetic products
- Store in cool dry place, away from light, excessive heat or freezing temperatures
- Shelf life: 2 years

Documents

We provide copies of Specification Sheet, MSDS, Plant information and HPLC analysis report





NATURAL HERBAL PRODUCTS

Oxyresvertrol

(Artocarpus lakoocha) Extract Liquid

Specification Sheet	
General information	
Product name:	Oxyresveratrol / <i>Artocarpus lakoocha</i> Extract Liquid
Part of plant:	Heart wood
Origin:	Thailand
Physical analysis	
Appearance:	Clear solution
Color:	Yellow to brownish
Odor:	Odorless
Active content analysis (Quantitative analysis)	
Active compounds (mg/100ml):	Oxyresveratrol not less than 20 mg.
Heavy metal analysis	
Arsenic:	< 0.5 ppm
Lead:	< 1 ppm
Cadmium:	< 0.5 ppm
Mercury:	< 0.5 ppm
Microbiology analysis (maximum allowable data only, specific data based on COA)	
Total aerobic plate count:	< 10 ³ CFU/mL
Yeast and Mold:	< 100 CFU/mL
Escherichia coli:	< 3 MPN/mL
Coliforms:	Not detected
Pseudomonas aeruginosa:	Not detected
Samonella spp.:	Not detected
Strephylococcus aureus:	Not detected



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