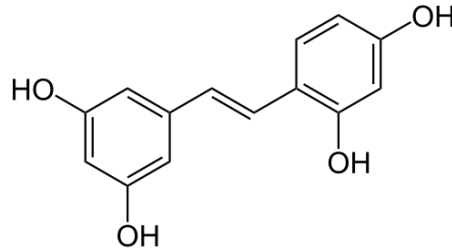




NATURAL HERBAL PRODUCTS

Oxyresveratrol Liquid Extract



Ethnopharmacology

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

Scientific Information



Artocarpus lakoocha heart wood

The oxyreveratrol is a major compound and was found in heart wood of Ma-Haad. Oxyresveratrol exhibited potent inhibitory effect with an IC50 value of 1.2 μ M on tyrosinase activity, which was 32-fold potent inhibition than kojic acid (IC50 40.1 μ M), moreover oxyresveratrol is stronger inhibition of tyrosinase on melanoma cell line than kojic acid. Oxyresveratrol showed about a 150-fold more potent inhibitory than resveratrol so this compound is depigmenting agent used as the cosmetic material with skin-whitening effect and the medical agent for hyperpigmentation disorders for avoid the side effect of melasma drug (Hydroquinone) in the market.





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

We can provide packaging in various types of contains depending on custom requirements.

Recommendations

- Dosage: 2% 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, HPLC and analysis report from ALS Laboratory



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NATURAL HERBAL PRODUCTS

Oxyresveratrol Liquid Extract

Specification Sheet	
General information	
Product name:	Oxyresveratrol Liquid Extract
Part of plant:	Heart wood
Origin:	Thailand
Physical analysis	
Appearance:	Clear solution
Color:	Yellow to brownish
Odor:	Odorless
Taste:	Not available
Active content analysis (Quantitative analysis)	
Active compounds (mg/100ml):	Oxyresveratrol (>5)
Heavy metal analysis	
Arsenic:	< 1 ppm
Lead:	< 2 ppm
Cadmium:	<1 ppm
Mercury:	<1 ppm
Food preservative analysis	
Methyl paraben:	Not detected
Propyl paraben:	Not detected
Microbiology analysis (maximum allowable data only, specific data based on COA)	
Total aerobic plate count:	<1000 CFU/mL
Yeast and Mold:	<200 CFU/mL
Clostridium pefringens:	Not detected
Escherichia coli:	<100 MPN/mL
Coliforms:	Not detected
Pseudomonas aeruginosa:	Not detected
Samonella spp.:	Not detected
Strephylococcus aureus:	< 10 in 1 mL
Streptococcus spp.:	Not detected



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NATURAL HERBAL PRODUCTS

Product Range

(Updated 18/01/2013)

Herbal Products

- AQUACUMIN (Water Soluble Curcuminoids)
- Kwao Krua Kao (*Pueraria mirifica*)
- Kwao Krua Dang (*Butea superba*)
- Tongkat Ali (*Eurycoma longifolia*)
- Krachai Dum extract (*Kaempferia parviflora*)
- Gac fruit (*Momordica cochinchinensis*)
- Kam Pang Jed Chun extract (*Salacia chinensis*)

Phytochemicals

- Oxyresveratrol



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