

## TECHNICAL DATA SHEET

# Resveratrol

## 50% HPLC

### Chemical Properties

Plant source: *Polygonum Cuspidatum Sieb. et Zucc.*

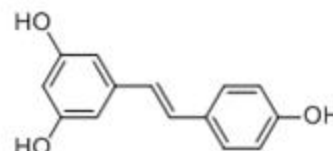
Used part: Root

Solvents Used: Water & Ethanol

CAS No: 501-36-0

Chemical Formula:  $C_{14}H_{12}O_3$

Molecular Weight: 228.24



### Description

Resveratrol (3,5,4'-trihydroxy-trans-stilbene) is a stilbenoid, a type of natural phenol. It is extracted from Giant Knotweed's root.

### Solubility

It is insoluble in water, but soluble in ethanol, chloroform and ether.

### Specification

Item	Specification	Test Method
Appearance	Brown Fine Powder	Visual
Odor & Taste	Characteristic	Organoleptic
Identification	Identical to R.S. sample	HPLC
Resveratrol	Min 50%	HPLC
Particle Size	Min 98% through 80 mesh	USP<786>
Bulk Density	40-60g/100ml	In-house
Tap density	60-90g/100ml	In-house
Loss on Drying	Max 5.0%	USP<731>
Total Ash	Max 5.0%	USP<561>
Lead	Max 3.0ppm	AOAC
Arsenic	Max 2.0ppm	AOAC
Cadmium	Max 1.0ppm	AOAC
Mercury	Max 0.1ppm	AOAC
Total Plate Count	Max 1000cfu/g	USP<61>
Yeast & Mold	Max 100cfu/g	USP<61>
<i>E. Coli</i>	Negative	USP<62>
<i>Salmonella</i>	Negative	USP<62>

## Ingredients

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Resveratrol 50%

## Labeling

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In the United States and the European Union: Resveratrol

## Function

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- 1). Antibacterial, antithrombotic, antiinflammatory and antiangiogenesis;
- 2). Prevent cancer from happening and developing, have estrogen action, have obvious prophylaxis actions, especially tumor which depend on hormone, such as breast carcinoma, carcinoma of prostate, endometrial cancer, ovarian cancer, etc;
- 3). Antioxidation, delaying aging, preventing osteoporosis, acne (whitehead) and dementia in the elderly;
- 4). Lowering cholesterol and the blood viscosity, reducing the risk of arteriosclerosis, cardio-cerebrovascular disease and heart disease.

## Applications

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- 1). Applied in food field, it's used as food additive with the function of lengthening life.
- 2). Applied in pharmaceutical field, it's frequently used as medicine supplement or OTCS ingredients and owns good efficacy for treatment of cancer and cardio-cerebrovascular disease.
- 3). Applied in cosmetics, it's can delay aging and prevent UV radiation

## Safety

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This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

## Handling recommendations

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Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with skin and eyes. Avoid ingestion and inhalation.

## Packaging, Storage & Shelf Life

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Package	25kg/drum, Packed in paper drums and two plastic bags inside; or according to customers' requirements.
Storage	Stored in cool and dry place, well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.