



Basic Information

Product name: Broccoli Extract
LATIN NAME : Brassica Oleracea L.
Part of extract: Flower head /seed
Chemical Name : 1 - isothiocyanato -cyano-4 - methylsulfinyl butane
Active ingredient: Sulforaphane
Specification : Ratio: 5:1, 10:1;
0.5%, 1%, 5%, 10%, 98% Sulforaphane
Assay Method: HPLC/ TLC
Appearance: Green-yellow powder
CAS Number: 4478-93-7 (Sulforaphane)

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Description

Broccoli is also called cauliflower. It is the mutation of brassica oleracea, which belongs to brassica, cruciferae. The edible part is the green tender flower stalk and bud. It contains lots of nourishment, such as protein, sugar, fat, vitamin and carotene etc. It is honored as the “crown of the vegetables”.

Broccoli Seed Extract(Sulforaphane) is an organosulfur compound that exhibits anticancer, antidiabetic, and antimicrobial properties in experimental models. It is obtained from cruciferous vegetables such as broccoli, Brussels sprouts or cabbages. The enzyme myrosinase transforms glucoraphanin, a glucosinolate, into sulforaphane upon damage to the plant (such as from chewing). Young sprouts of broccoli and cauliflower are particularly rich in glucoraphanin.

What is Sulforaphane?

Sulforaphane also known as radish Sulphur content in broccoli, kale, northern round red radish and other cruciferous plants rich.

Sulforaphane is extracted as yellow powder. Sulforaphane is a common anti-oxidants, and the anticancer effect of the best plant active substance found in the vegetable.

Function

The extract made from broccoli sprouts may prevent skin cancer when applied directly to the skin. Broccoli (Broccoli extract) could promote lung health.

Sulforaphane is a longlasting antioxidant and detoxifier, and to contribute to the integrity of cells, promoting the body's immune defense systems for overall health and well being.

Sulforaphane has been shown to be able to restore antioxidant gene expression in human epithelial tissue in which DJ-1 has been reduced. DJ-1 is a biochemical regulator that stabilizes NRF2, while KEAP1 – another regulator – inhibits NRF2

Application

Broccoli Seed extract has been applied in Pharmaceutical as capsules or pills;

Broccoli sprouts extract has been applied in Health products as capsules or pills.

Broccoli sprouts extract has been applied in food and beverage field as sweetener.

