

Beta-Sitosterol

Cat. No. EXT-006

Lot. No. (See product label)



Product Name

Beta-Sitosterol

Product Overview

The product is physically purified from corn and soybean.

Source

Corn; Soybeans

Form

White powder

Molecular Mass

414.71

Optimum pH

5.8-7.8

Applications

It has medicinal and health care value such as preventing coronary arteriosclerosis, promoting cholesterol degradation and metabolism, and synthesizing important intermediates of steroids such as vitamin D3. Hair growth, hair maintenance and skin nutrition agents; Dispersant, softener and antioxidant in chemical spinning industry. Widely used in food, medicine, cosmetics, animal growth agent and paper processing, printing, textile and other fields, especially in Europe as a food additive is very common, widely used in food to reduce human cholesterol. Beta-Sitosterol is used to prevent and treat coronary atherosclerosis and has obvious curative effect on ulcer, skin squamous cell carcinoma and cervical cancer. In addition, it is also important raw materials for the production of steroidal drugs and vitamin D3. Beta-Sitosterol have good antioxidant properties and can be used as food additives (antioxidant and nutritional additives). It can also be used as raw material of animal growth agent to promote animal growth and improve animal health.

Synonyms

B-SITOSTEROL; 5-STIGMASTEN-3BETA-OL; 22,23-DIHYDROSTIMASTEROL;
22,23-DIHYDROSTIGMASTEROL; 24-ALPHA-ETHYLCHOLESTEROL; 24BETA-ETHYLCHOLESTEROL;
5-CHOLESTEN-24-BETA-ETHYL-3-BETA-OL; (3)-BETA-SITOSTEROL(2)

Function

1. Beta-Sitosterol has a strong anti-inflammatory effect on human body, which can inhibit the absorption of cholesterol, promote the degradation and metabolism of cholesterol, and inhibit the biochemical synthesis of cholesterol. 2. For the prevention and treatment of coronary atherosclerotic diseases, and for the treatment of ulcers, skin squamous cell carcinoma, cervical cancer and other obvious curative effect; It can promote wound healing, make muscle hyperplasia, enhance capillary circulation; It can also be used as an inhibitor of gallstone formation. 3. Beta-Sitosterol are also important raw materials for the production of steroidal drugs and vitamin D3. 4. Beta-Sitosterol has a high permeability to the skin, can keep the skin surface water, promote the skin metabolism, inhibit the skin inflammation, can prevent sunburn, skin aging, and the effect of hair growth, hair maintenance. It can be used as W/O emulsifier in the production of cream, with the characteristics of good use (good malleability, smooth and non-sticky), good durability and not easy to deteriorate.

Molecular Formula

C₂₉H₅₀

EINECS

201-480-6

CAS

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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83-46-5

Content

90%; 95%

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