



[**Product Name**] Beta Ecdysterone

[**Synonym**] Ecdysteroid; 20-Hydroxy-ecdysterone

[**Source**] *Cyanotis arachnoidea C.B. Clarke*

[**Used Part**] Leaf

[**Specification**] 50%, 60%, 70%, 83%, 85%, 90%, 95%, 98%

[**Detection Method**] HPLC

[**Characteristics**] Light yellow to white crystal powder.

[**Package**]

25 kgs/drum. Packed in paper-drums and two plastic-bags inside. Or according to customer's requirements.

[**Storage Situation**]

Stored in a cool and dry well-closed container, keep away from moisture and strong light / heat.

[**Shelf Life**]

Two Years under well storage situation; Tightly sealed in a clean, cool, dry area. Keep away from direct light.

[**Function**]

Ecdysterone works to create the "perfect" muscle-building environment in the body, among other positive effects. The perfect conditions for creating the perfect muscle building environment include maintaining a positive nitrogen balance and increasing protein synthesis along with intelligent, consistent exercise and a balanced diet rich in protein. The recommended dose for Ecdysterone is 80-120 mg per day although dosages of up to 600 mg per day can be safely taken.

Ecdysterone can promote the amino acid to produce protein. It can stimulate the grow of muscle. It can also improve the liver function in order to accommodate the stress due to the change of environment.

A steroidal prohormone of the major insect molting hormone 20-hydroxyecdysone, which is secreted from the prothoracic glands. 20-Hydroxyecdysone is a naturally occurring ecdysteroid hormone which controls the ecdysis and metamorphosis of arthropods. It is therefore one of the most common moulting hormones in insects, crabs, etc. It is also a phytoecdysteroid produced by various plants, including *Cyanotis vaga*, where its purpose is presumably to disrupt the development and reproduction of insect pests. In arthropods, 20E acts through the ecdysone receptor. Although mammals lack this receptor, 20E does appear to affect mammalian (including human) physiology, but there is disagreement over the details of its effects. 20E is an ingredient of some preparations that aim to enhance physical performance

1. To enhance protein biosynthesis at the ribosomal level of the cell.
2. To maximize muscle mass and stimulate fat-burning capabilities.
3. To increase strength and endurance.
4. Nitrogen-retention activity.

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