

Vitamin C Derivative

Et-VCTM

Previously known as Corum 9515 3-O-Ethyl Ascorbic Acid

AS POTENT AS VITAMIN C WITH BETTER STABILITY

Et-VCTM

INCI: 3-O-Ethyl ascorbic acid

Also known as:

3-O-ethyl ascorbic ether

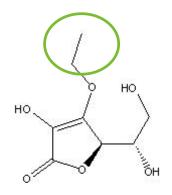
3- O-ethyl ascorbic acid

Physical Properties

- Purity > 99.0%
- White crystalline powder
- Water soluble
- Metabolized by the human body in the same manner as L- ascorbic acid (Vitamin C)
- Excellent stability

CAS: 86404-04-8

MW: 204.18





The Functions of Et-VCTM



Skin lightening & Balance skin tone

Reduce dark spot & age spot

Anti-photoaging

Collagen synthesis

Reversing auto-oxidation

Radical scavenging

DNA protection

Easy to penetrate the epidermis



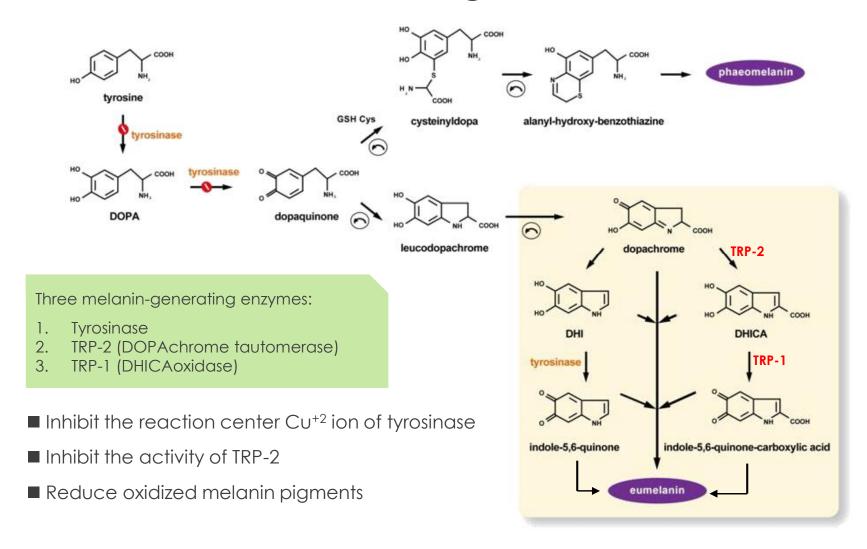
Et-VCTM Efficacy Studies

- In-vitro tyrosinase inhibition
- Reducing activity
- *In-vitro* whitening activity
- Ex-vivo melanin assay
- *In-vivo* whitening efficacy

- Collagen synthesis
- Anti-photoaging
 - Anti-oxidation(radical scavenging)
 - Anti-inflammation
 - DNA protection
- Skin penetration profile



Et-VCTM Whitening Mechanism



Ref: Briganti, S et al. (2003) Chemical and Instrumental Approaches to Treat Hyperpigmentation Pigment Cell Res 16:101–110.



Et-VCTM Summary

- Effective and stable skin lightening agent
- Balance the skin tone
- Reduce dark spot
- Prevent photoaging
- Increase collagen synthesis
- Excellent anti-oxidation properties
- Scavenge radical
- DNA protection

