

# HENTOWHITE

## Whitening and anti Age-Spots Cosmetic Ingredient

### INCI NAME:

Glycerin, Hexylresorcinol, Capric Acid, Caprylic Acid, PEG 400, Caproic Acid

### DOSE OF USE:

FROM 1 TO 3%

### SOLUBILITY:

HYDRO-SOLUBLE

### PRESERVATIVE:

Preservative free

### COSMETIC USE:

- Whitening Care
- Age-spot treatment
- Photo-aging, brightening/lightening Care
- Under arm and bikini area spots
- Ethnic skin Care

### DESCRIPTION:

HentoWhite, compound based on Resorcinol derivative, with excellent results on the reduction of skin's dark spots and skin whitening, with no irritation effects.

Hentowhite not only has an **important reducing effect on the activity of the tyrosinase**, but its clearing and whitening activity is accomplished by the synergistic and simultaneous action, on the **three mechanisms** of the melanogenesis process:

1. Before the melanin synthesis, interfering in the **synthesis and glycosilation of the tyrosinase** preventing that the enzyme could be absorbed by the melanosome.
2. During the melanin synthesis, inhibits enzymatic activities, as a **competitive inhibitor of tyrosinase**, and less on TRP1 and TRP2 Enzymes, reducing the formation of byproducts that promote melanogenesis.
3. After the melanin synthesis, improving the **tyrosinase degradation**, the **inhibition of the transfer of the melanosome to the keratinocyte**, and with a **light peeling** thanks to the action of the **Fatty Acids**.

This action is reinforced by the presence of **fatty acids**, components with regulating activities on the **degradation of the tyrosinase enzyme**,

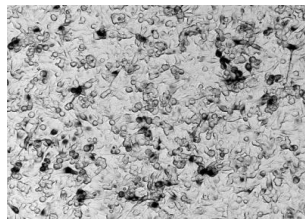
### PROPERTIES:

Cosmetodinamic properties

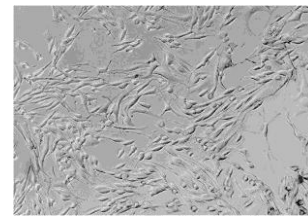
- Decrease melanin formation at very early stage of melanin synthesis
- Decrease melanin synthesis and tyrosinase activity in skin melanocyte
- Decrease melanosome transferring to Keratinocytes
- Promotes desquamation of the superficial horny layers and melanin pigmentary residues contained therein.
- Non-irritating effect



### Melanin synthesis inhibition study



CONTROL

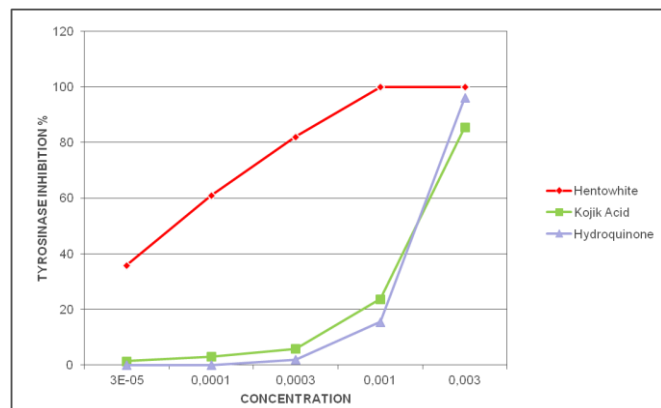
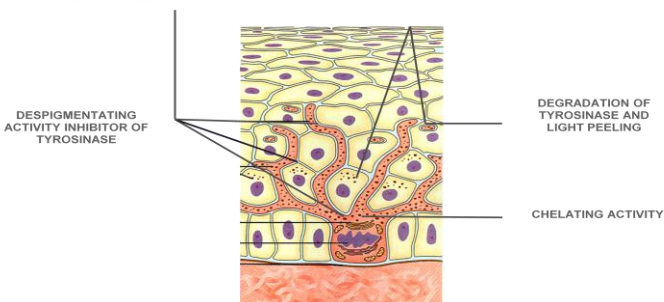


AFTER 3 DAYS



### HEXYLRESORCINOL

### FATTY ACIDS



EFFECT OF HENTOWHITE ON TYROSINASE ACTIVITY

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