



COSMETIC
SUPPLIES
USA, INC.



ALPHA ARBUTIN

This inhibits both tyrosine and Dopa, which can reduce melanin and, consequently, skin pigmentation.

Arbutin is both an ether and a glycoside; a glycosylated hydroquinone extracted from bearberry plant in the genus *Arctostaphylos*. It inhibits tyrosinase and thus prevents the formation of melanin. Arbutin is therefore used as a skin-lightening agent. Arbutin is found in wheat, and is concentrated in pear skins.

Skin lightening agent

Bearberry extract is used in skin lightening treatments designed for long term and regular use. An active agent in brands of skin lightening preparations, it is more expensive than traditional skin lightening ingredients like hydroquinone, which is now banned in many countries.

In vitro studies of human melanocytes exposed to arbutin at concentrations below 300 $\mu\text{g}/\text{mL}$ reported decreased tyrosinase activity and melanin content with little evidence of cytotoxicity.

The above data is provided for the convenience of the user and does not relieve the user of normal liability for inspection of material upon delivery or prior to actual use. Statements concerning the possible use of our product are not intended as a recommendation to use our product in the infringement of any patent.

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