

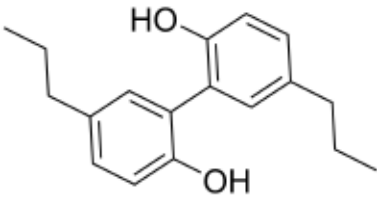
# Anallerg<sup>®</sup> - Mulan

INCI: Tetrahydromagnolol



## Product Description

**Anallerg<sup>®</sup>-Mulan** is a derivative of magnolol (magnolia phenol), which has high stability and skin permeability, and can prevent the formation of melanin through multiple pathways.



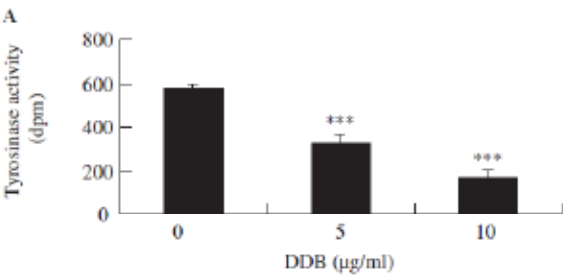
CAS:20601-85-8

|                 |                                      |
|-----------------|--------------------------------------|
| Appearance      | White to off-white powder or crystal |
| Odor            | Characteristic odor                  |
| Purity(HPLC, %) | ≥98%                                 |
| Solubility      | Soluble in polyols                   |
| Dosage          | 0.01-2.0%                            |

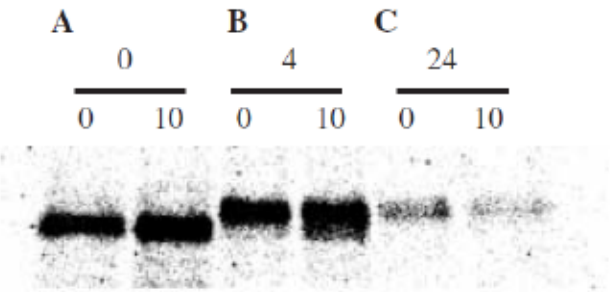
★ Can provide other specifications (customized).

## Efficacy Verification

- Inhibit the maturation of tyrosinase and accelerate its degradation, thereby reducing melanin formation



| Treatment    | Melanin synthesis IC <sub>50</sub> (μg/ml) |     | Tyrosinase activity IC <sub>50</sub> (μg/ml)<br>Mushroom tyrosinase |
|--------------|--|-----|---|
|              | B16F0                                      | NHM |   |
| DDB          | 4.0  | 3.0 | > 330   |
| Arbutin      | 20   | 27  | 35  |
| Kojic acid   | 120  | 70  | 4.1   |
| Hydroquinone | 1.2  | 3.0 | 0.9   |



After 24 h, the level of labeled tyrosinase in cells treated with 10 μg/ml Tetrahydromagnoliol decreased to 54% of the control.

- Inhibits UVB-induced epidermal hyperplasia.

