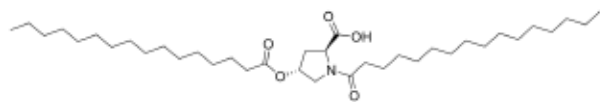


Anallerg[®] - DH

INCI: Dipalmitoyl Hydroxyproline

Product Description

Anallerg[®]- DH has good anti-aging and skin tightening effects, and its activity is stronger than vitamin C, with outstanding effects. It can also increase the moisture content in the skin and has a good moisturizing effect.

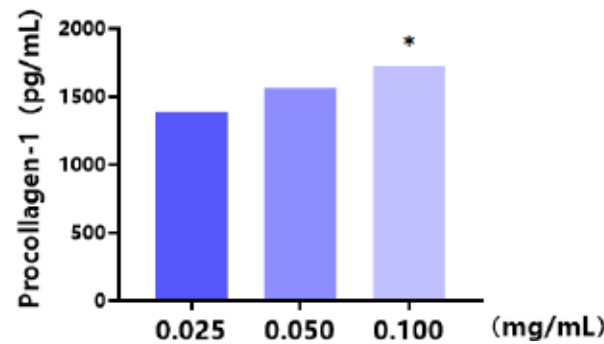


CAS:41672-81-5

| | |
|-----------------|---------------------------------|
| Appearance | White to off-white solid powder |
| Odor | Characteristic odor |
| Purity(HPLC, %) | ≥95% |
| Solubility | Liposolubility |
| Dosage | 0.2-2.0% |

Efficacy Verification

- Increases type I collagen:



- Moisturizing effect (Data from literature):

| sample (20°C) | Moisturizing rate for 12 hours | | Moisturizing rate for 24 hours | |
|------------------------------|--------------------------------|------|--------------------------------|------|
| | % | RSD | % | RSD |
| Comparator product 1 | 92.21 | 2.87 | 91.07 | 2.2 |
| Comparator product 2 | 94.97 | 0.16 | 94.65 | 0.15 |
| Dipalmitoyl hydroxyproline 1 | 95.11 | 0.17 | 94.02 | 0.04 |
| Dipalmitoyl hydroxyproline 2 | 95.28** | 0.60 | 94.23** | 0.56 |

| sample (40°C) | Moisturizing rate for 12 hours | | Moisturizing rate for 24 hours | |
|------------------------------|--------------------------------|------|--------------------------------|------|
| | % | RSD | % | RSD |
| Comparator product 1 | 93.58 | 0.04 | 93.55 | 0.03 |
| Comparator product 2 | 94.39 | 0.03 | 93.96 | 0.15 |
| Dipalmitoyl hydroxyproline 1 | 93.71 | 0.00 | 93.74 | 0.01 |
| Dipalmitoyl hydroxyproline 2 | 93.70** | 0.21 | 93.73** | 0.22 |

- Promote wound healing (Data from literature):

| Sample NO. | Healing rate(%) | Improved healing rate(%) | Average improvement(%) |
|------------|-----------------|--------------------------|------------------------|
| 1 | 35.52 | 40.72 | 48.84 |
| 2 | 38.70 | 50.70 | |
| 3 | 36.77 | 46.31 | |
| 4 | 36.72 | 45.71 | |
| 5 | 39.37 | 62.42 | |
| 6 | 30.81 | 47.20 | |

- Highly compatible with skin.
- Serves as a bio-enhancer for Hyp, allowing direct skin absorption.
- Hydrolyzes to release Hyp, with the lipophilic group forming an oil-protective layer on the skin.