

ANTI-INFLAMMATORY

ANTI-ALLERGY

Anti-inflammatory and Anti-allergy effect

DERMAP

INCI NAME : WATER / BUTYLENE GLYCOL / ARTEMISIA PRINCEPS LEAF EXTRACT



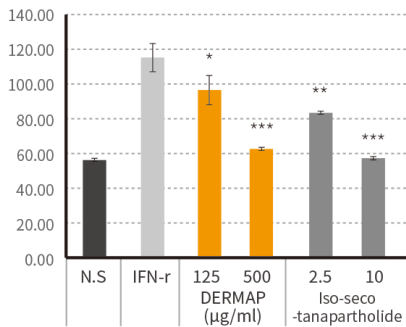
GENERAL DESCRIPTION FOR RAW MATERIAL

Artemisia Princeps is an Asian plant species in the sunflower family, native to Korea, China and Japan. It is a perennial, very vigorous plant that grows to 1.2 meters. This species spreads rapidly by means of underground stolons. It bears small, buff colored flowers from July to November which are hermaphroditic, and pollinated by wind. The leaves are feather shaped, scalloped and light green, with white dense fuzz on the underside.

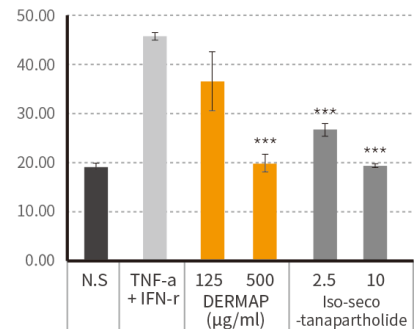
Artemisia Princeps has been used in traditional medical practice for curing gastric ulcer; gynaecological bleeding disorders by wound healing; hemostasis; eczema by anti-allergy; and anti-microbial effect, and chronic bronchitis etc.

EFFICACY

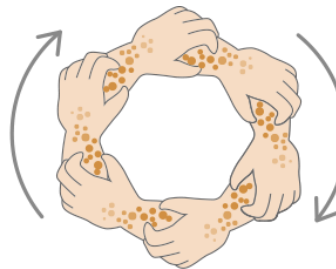
IL-31 Expression by ELISA



IL-33 Expression by ELISA

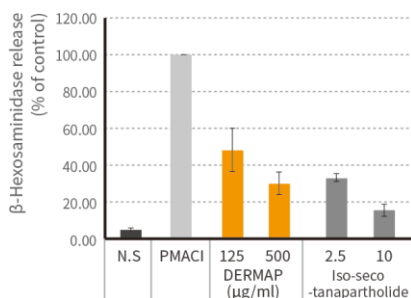


Tissue damage

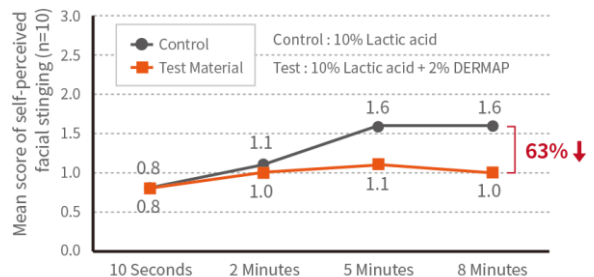


Itch pathway

β-Hexosaminidase Assay



Clinical test result (Lactic acid sting test)



TECHNICAL INFORMATION

Processing & Dosage

The recommended dosage of DERMAP is 0.5% ~ 5.0%. DERMAP is a water-soluble active ingredient. In order not to disturb the structure and conformation of the actives, it is recommended to incorporate it into formula at the last phase of the formulation at about 40°C.

Storage & Shelf life

DERMAP should be stored at room temperature in a tightly closed and lightproof package. If stored in these appropriate conditions the shelf life is at least 24 months. Once the original packing is opened, it is highly recommended to use at once.

Safety information

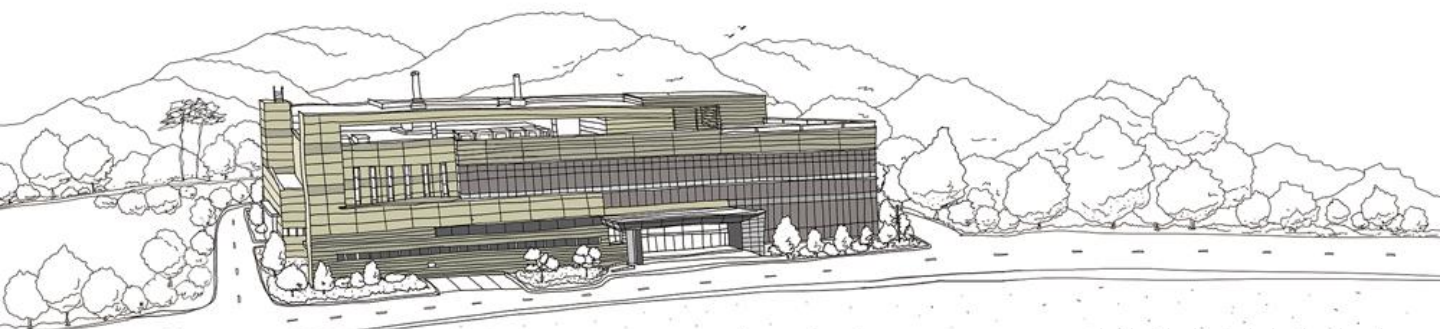
Artemisia Princeps leaves and young seedlings can be eaten raw or cooked. In Korea, it is widely used in Korean cuisine such as salad, rice cake and soup. It has been also used as traditional Korean medicine for stomachache, gastric ulcer as well as eczema by anti-allergy and anti-microbial effect. Based on its historical usage as a food and medicine, DERMAP is considered as a safe material for cosmetic use.

SPECIFICATION

Appearance	Light yellow liquid
Odor	Typical
Isoecotanapartholide Content	250~350ppm
Refractive Index (N_D²⁰)	1.345 ~ 1.385
pH (Neat)	3.5 ~ 5.5
Specific Gravity (d₂₀/20)	1.000 ~ 1.040
Total bacterial count	Not more than 100cfu/mL
Yeast & molds	Not more than 10cfu/mL

PRODUCT INFORMATION

TRADE NAME	DERMAP	INCI Key Index
INCI NAME	COMPOSITION (INCI Key Index)	A : Greater than 50%
WATER	A	B : Greater than 25% but less than or equal to 50%
BUTYLENE GLYCOL	B	C : Greater than 10% but less than or equal to 25%
ARTEMISIA PRINCEPS LEAF EXTRACT	E - F	D : Greater than 5% but less than or equal to 10%
STANDARD PACKAGE	20KG	E : Greater than 1% but less than or equal to 5%
		F : Greater than 0.1% but less than or equal to 1%
		G : Less than or equal to 0.1%



The content of this document was established with utmost possible care.
However, we reserve the right to add the information, to correct or to delete it without prior notice.

22 Osongsaengmyeong 2-ro, Osong-eup, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do 28162 KOREA

E bioland@hyundaibiland.co.kr

H www.hyundaibiland.co.kr

T +82-43-249-6720

F +82-43-249-6709