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ReGrow-Ex

ReGrow-Ex inhibits androgenic alopecia, promotes hair follicle growth and hair growth

 READLINE

ReGrow-Ex

Biotinoyl Tripeptide-1

ReGrow-Ex, a tripeptide complex with biotin (vitamin H) and GHK, with growth and thickening eyelashes, eyebrows, hair and other effects.

INCI Name

Biotinoyl Tripeptide-1

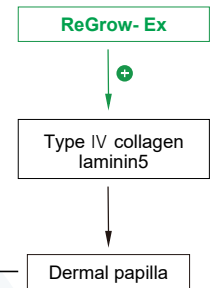
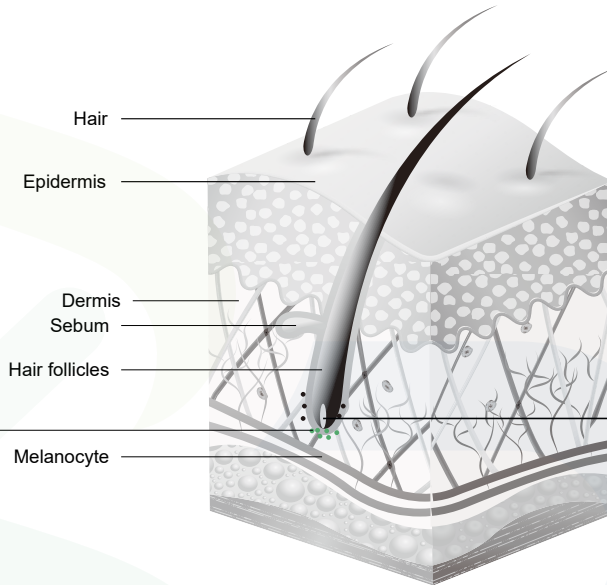
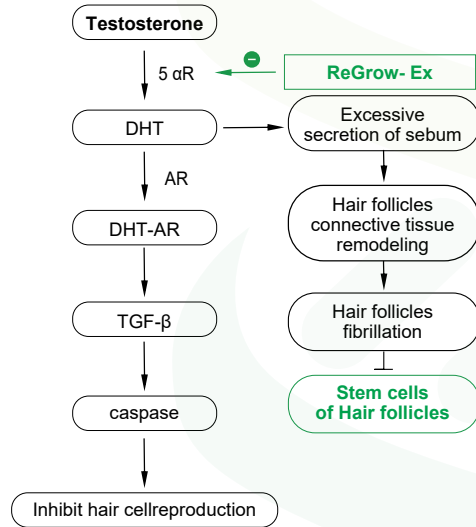
CAS

299157-54-3

Molecular Formula

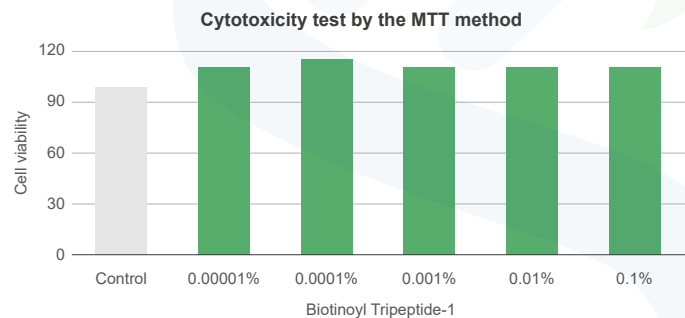
$C_{24}H_{38}N_8O_6S$

Mechanism



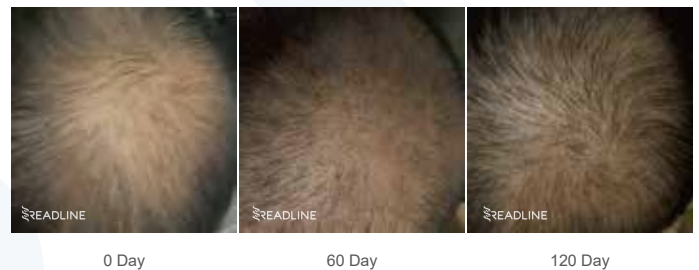
ReGrow-Ex inhibits 5-αR(5 Alpha reductases) and androgen receptor (AR) expression reduces the production of dihydrotestosterone (DHT) and the combination of DHT and androgen receptor, thus relieves the symptoms of androgen alopecia. ReGrow-Ex also promotes the expression of collagen IV and laminin-5 genes, promotes the growth of dermal papilla, hair follicles and thickens the hair.

Safety Test



Concentrations of ReGrow-Ex is nontoxic up to 0.1% for dermal papilla cells.

Efficacy



The hair volume of subject using 300 ppm ReGrow-Ex significantly increased.

Formulation Guidelines

- Recommended level of use: 0.01–0.05 wt%
- ReGrow-Ex should be added at the final stage of formation and processed below 45 °C

ABOUT US

READLINE is a bio-tech company focusing on developing and manufacturing active ingredients for cosmetics, nutritional supplements and pharmaceuticals in a green and sustainable manner. We are driven by a shared value to enable customer success with high quality green active ingredients, from making to using, from health to beauty.

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