



Deveraux Specialties
est. 1998

PRODUCT DATA SHEET

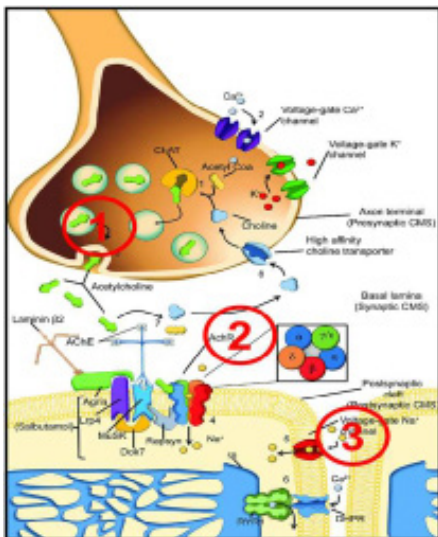
BGT™ TDP-LIP

The Most Effective Lip-Plumping & Anti-Wrinkle Peptide

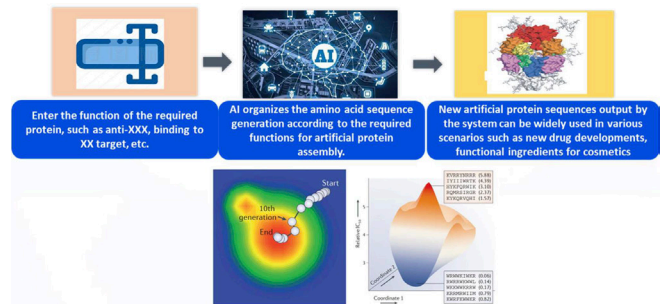
Exclusively developed by Bio Genetic Technology LLC, the Cybele System mirrors the AI architecture utilized by AIGC, making it the first AIGC-based protein generation and evolution system to be commercialized in the professional field. Through sequence optimization by the AIGC protein generation and evolution design platform, BGT™ TDP-LIP acts as a competitive inhibitor of the neurotransmitter acetylcholine. By binding to acetylcholine receptors, it blocks nerve signal conduction, resulting in muscle relaxation. This mechanism delivers a rapid wrinkle-reduction effect and enhances lip-wrinkle formulations, making it a preferred choice for many well-known international brands.

PRODUCT INFORMATION

This simple model of the neuromuscular junction illustrates how the arrival of a nerve signal induces the release of acetylcholine (ACh) into the synaptic cleft. Acetylcholine binds to its receptor (AChR) on the skeletal muscle endplate, generating action potentials in the muscle cell that lead to muscle contraction. Blocking any step in this process can reduce wrinkles. BGT™ TDP-LIP acts as a competitive inhibitor of acetylcholine by binding to its receptors, effectively blocking nerve signal conduction and relaxing muscles. This mechanism delivers a rapid wrinkle-reduction effect and enhances lip-wrinkle formulations, making it a preferred choice for many renowned international brands.



BIO GENETIC TECHNOLOGY



PRODUCT OVERVIEW

BGT™ TDP-LIP induces relaxation in subcutaneous muscles, leading to the stretching of the lips and a quick augmentation of lip volume. This results in visibly plumper, fuller lips, enhancing their overall appearance. The well-developed subcutaneous muscles of the lips often create prominent lip lines due to muscle memory. TDP-LIP effectively diminishes these lines within 15-60 minutes of application, significantly improving the appearance of the lips by reducing wrinkles and enhancing their natural fullness. TDP-LIP delivers swift and reliable results with each application. Its fast-acting formula ensures noticeable effects without the need for daily use, offering convenience and optimal performance for users.

MECHANISM OF ACTION

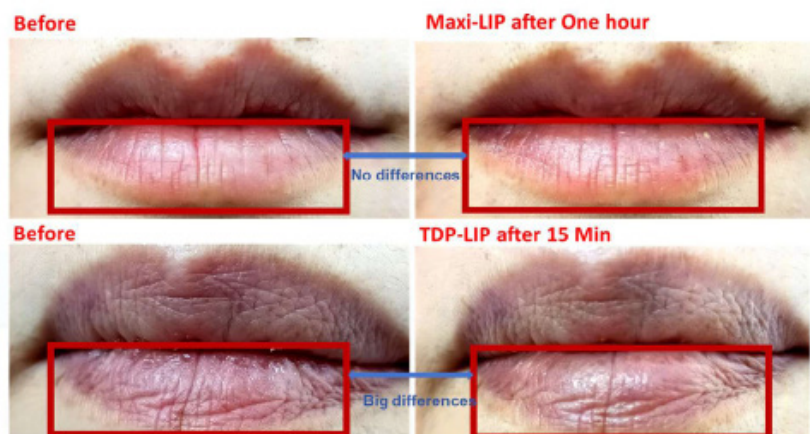
1. The subcutaneous muscles in the lips are abundant and usually maintain partially contracted. This natural contraction causes the lips to have an inherent tendency to shrink.
2. TDP-LIP acts as a competitive inhibitor of acetylcholine, which helps to relax some of these subcutaneous muscles within 15- 60 minutes of application. As the muscles relax, the lips increase in volume and become more supple, resulting in a plumping effect.



CLINICAL TESTING

1 In Vivo Test of Maxi-Lip and TDP-LIP

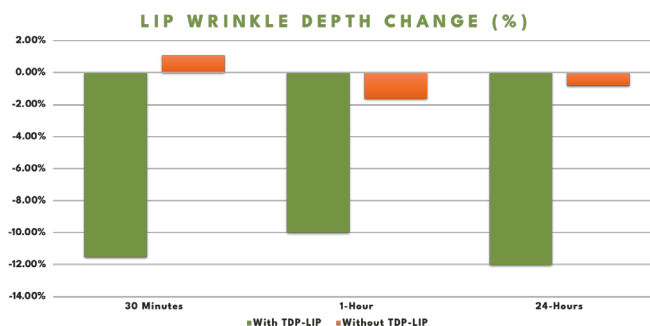
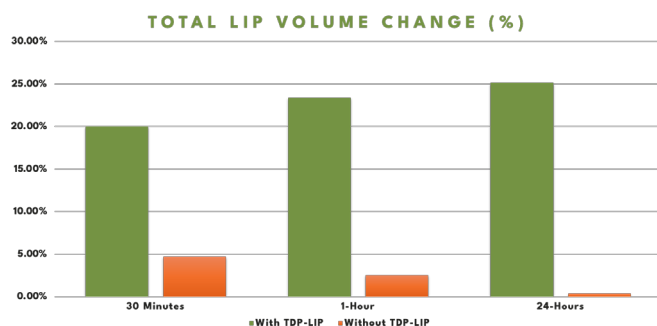
Clinical Evaluation and Results: The examination findings, assessed using PRIMOS CR, demonstrate a 25-30% increase the lip volume and decrease in lower lip wrinkles from before to one hour after application. Photo documentation illustrates significant reductions in wrinkles, as well as enhanced fullness, smoothness, and plumpness of the lips following the application after 15 min.



2 Total Lip Volume and Wrinkle Depth Efficacy Tests

Lip Volume Increase: Clinical studies analyzed using PRIMOS CR demonstrated that a product containing 5% TDP-LIP significantly enhanced lip volume. Within 30 minutes, lip volume increased by 20.02%, and after 24 hours, the increase reached 25.17%. These findings highlight the product's ability to provide rapid and sustained lip-plumping effects.

Lip Wrinkle Reduction: The same studies revealed that the depth of lip wrinkles was reduced by 11.51% within 30 minutes of using a product containing 5% TDP-LIP. After 24 hours, the reduction deepened to 12.01%. This demonstrates the product's effectiveness in smoothing wrinkles and delivering lasting improvements to lip appearance.



Specification

INCI: Tridecapeptide-1

Usage Level: 1-3% ~20-50% consumers observe lightening of fine lines, 3-5% Fine lines are reduced in 15 min, 6-10% Fine lines are significantly reduced in 15 min

Molecule Weight: 1442.7

Property: Clear Liquid

China Compliance: Yes

Amino Acid Sequence: Ala-Cys-Cys-Leu-Phe-Asn-Cys-His-Ser-Trp-Val-Gly-Cys

