



Deveraux Specialties
est. 1998

PRODUCT DATA SHEET

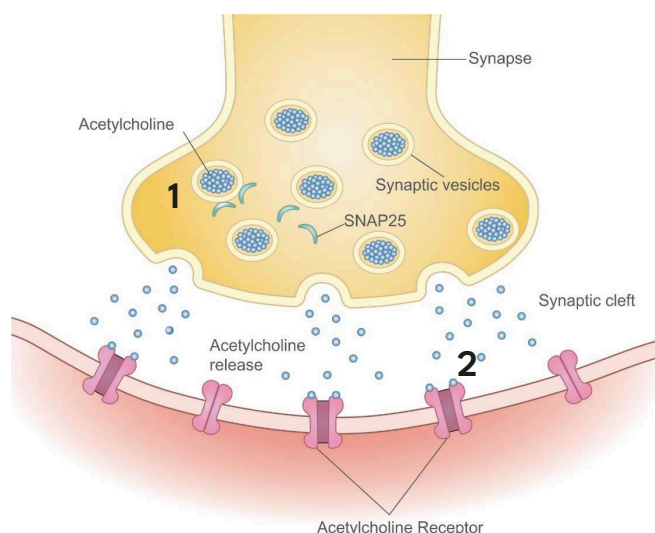
BGT™ TDP-1

Patented Innovative Beauty Anti-Wrinkle Peptide

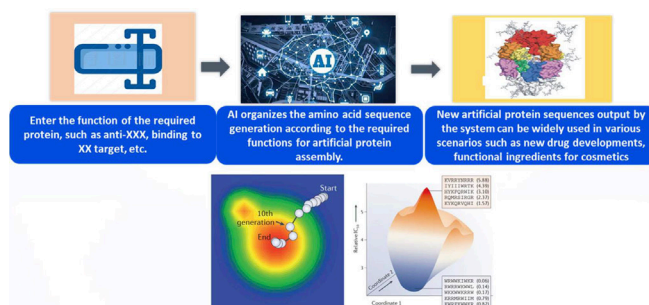
Exclusively developed by Bio Genetic Technology LLC, the Cybele System mirrors the AI architecture utilized by AIGC, making it the first AIGC-based protein generation and evolution system to be commercialized in the professional field. Through sequence optimization by the AIGC protein generation and evolution design platform, BGT™ TDP-1 is an innovative cosmetic polypeptide designed for instant anti-wrinkle effects. It has been clinically proven to rapidly reduce wrinkles within 15 minutes of application, delivering long-term skin smoothing and anti-wrinkle benefits.

PRODUCT INFORMATION

This is the simple model of Neuromuscular Junction, the arrival of a signal in a nerve terminus induces a coordinated release of acetylcholine (ACh) into the synaptic cleft. The acetylcholine binds to the ACh receptor (AChR) on the skeletal muscle end plate, which creates action potentials in the muscle cell; muscle contraction follows. If any step in this process is blocked, the wrinkles will be reduced. BGT™ TDP-1 can effectively prevent the binding of acetylcholine to its receptor, block initiation of muscle contraction action potential, and keep the muscles in a relaxed state to further reduce the fine lines and wrinkles.



BIO GENETIC TECHNOLOGY

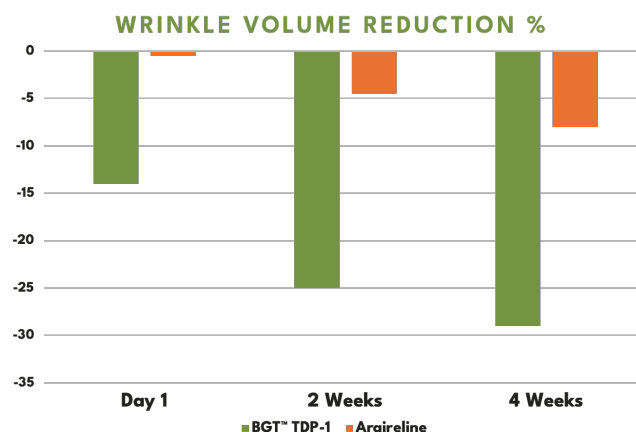


PRODUCT OVERVIEW

BGT™ TDP-1 is a neurotransmitter peptide that inhibits muscle movement, providing a Botox-like effect without the use of neurotoxins. It was developed through AI-directed biochemical design, incorporating advanced polypeptide chain folding and molecular docking technology. Comprising a unique sequence of 13 amino acids, it achieves a rapid “Botox-like” action to reduce wrinkles and eliminate facial fine lines. Unlike other anti-wrinkle peptides, it delivers visible results within just 15 minutes.

MECHANISM OF ACTION

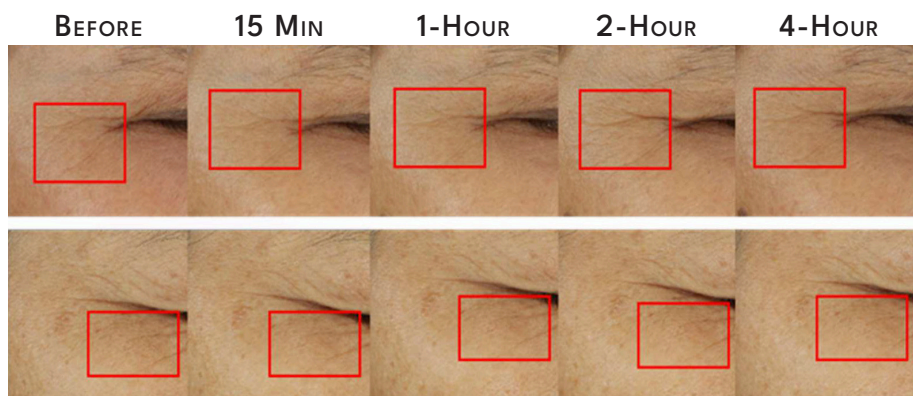
1. Argireline inhibits the release acetylcholine to eliminating the potential muscle contraction. Argireline takes longer time penetrate Synapses and travels to Synaptic vesicles to inhibit acetylcholine release.
2. BGT TDP-1 (Tridecapeptide-1) can prevent the binding of acetylcholine to the its receptor, block initiation of action potential and keep the muscles in a relaxed state. Tridecapeptide-1 (TDP-1) doesn't have to travel inside of Synatic Vesicles, it only bind onto the receptors; to block the activity of acetylcholine.



CLINICAL TESTING

1 Short Term Instant Wrinkle Removal

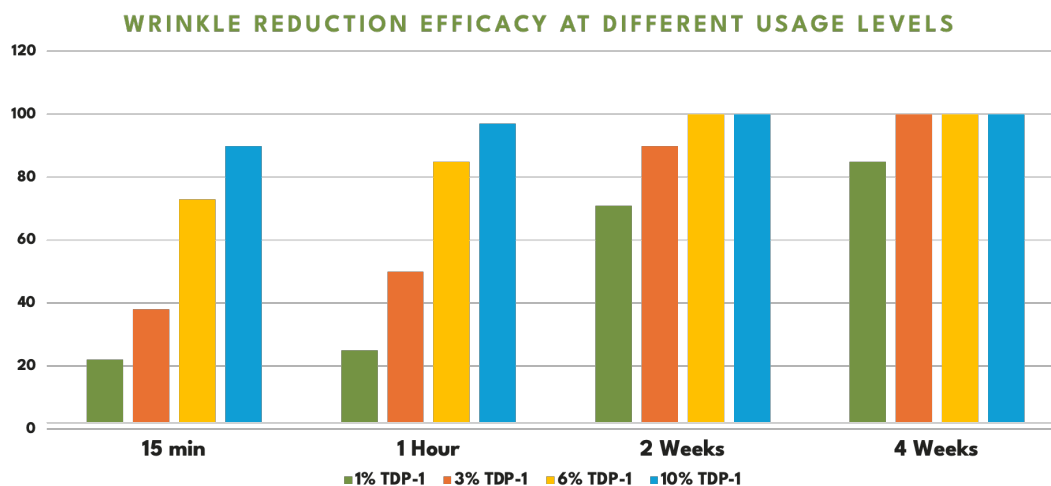
Evaluation of wrinkle reduction effect: Consumers have noticeably felt the reduction of the fine lines around the eye corners after 15 minutes of use, and there is no rebound of the fine lines around the eye corners until the fourth hour. After 15 minutes of use, the smoothness of the skin has been significantly improved, and the smoothness remains basically unchanged for 4 hours.



2 Wrinkle Reduction Efficacy at Different Usage Levels

Instant Wrinkle Reduction: The instant wrinkle removing effect of BGT TDP-1 continues to increase with the increase of concentration. At 1%-3% usage, about 25% - 40% consumers can perceive the wrinkle reduction in 15 minutes to 1 hour after using the product.

Long Time Wrinkle Reduction: The long-term wrinkle-removing effect of BGT TDP-1 has obviously perceivable effects at lower concentrations. With 3%, 6% and 10%, all experienced 100% reduction in wrinkles and skin improvement after 4 weeks of use.



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

