

Rev01  
Update: Apr,24,2023**DATASHEET**

# GS-PepFirming™ Acetyl Hexapeptide-8

Cat. No.: RP30143

## Overview

<b>Description</b>	Acetyl hexapeptide-8, also known as acetyl hexapeptide-3 or Argireline, is a neurotransmitter inhibitor as oligopeptide consisting of six amino acid residues. It is widely used in anti-wrinkle products with higher activity and lower side effects as a biosafe alternative to BoNTs.
<b>Cas No</b>	616204-22-9
<b>Molecular Formula</b>	C <sub>34</sub> H <sub>60</sub> N <sub>14</sub> O <sub>12</sub> S
<b>Molecular Weight</b>	889.0

## Properties

<b>Purity</b>	>95%
<b>Form</b>	Lyophilized
<b>Storage</b>	Store at -20°C. Keep tightly closed. Store in a cool dry place.
<b>Note</b>	Processing and Dosage: The peptide can be incorporated at a temperature below 40°C during the final stage of cosmetic manufacturing. It is recommended that 5 to 5000 ppm of the powder is present in the final formulation in order to obtain significant activity.

## Applications

Acetyl hexapeptide-8 is a mimic of the N-terminal end of SNAP-25 which competes with SNAP-25 for a position in the SNARE complex, thereby modulating its formation. If the SNARE complex is slightly destabilized, the vesicle cannot release neurotransmitters efficiently and therefore muscle contraction is attenuated, preventing the formation of lines and wrinkles. It can be incorporated in cosmetic formulations such as emulsions, gels, essence, eye cream, etc., where removal of the deep lines or wrinkles in the forehead or around the eyes area is desired.

生产商：南京金斯瑞生物科技有限公司 江苏省南京市江宁区科学园雍熙路28号

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China