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**DNAShopper**  **ModelSupplies**  
**Argireline**  
 (Acetyl hexa-peptide-3)  
**Anti-Aging & Anti-Wrinkle**  
**Water Soluble-Use in Water Phase**  
**Typical Use Rate: 5%**

## Argireline



### Effective Anti-Wrinkle Agent Based on New Mechanism

Argireline is manufactured by a Spanish company Lipotec and is a hexapeptide (a chain of 6 amino acids) attached to the acetic acid residue. It is believed to work by inhibiting the release of neurotransmitters. When applied to the skin, Argireline supposedly relaxes facial tension leading to the reduction in facial lines and wrinkles with regular use. This remotely resembles the effect of Botox, which reduces facial tension and movement by paralyzing facial muscles. Note that Argireline is unrelated in its physiologic effect and mechanism of action to other bioactive skin peptides, such as palmitoyl pentapeptide.

**Description:** peptide (acetyl hexa-peptide-3) that inhibits proteins (SNARE complex) & release of adrenalin & noradrenalin in neuronal cells in the skin, inhibiting facial skin muscle tightening, a mechanism responsible for wrinkle formation. Activity: contains 0.05% argireline in water. Clear liquid, odorless. Water-soluble.

**Properties:** works through a unique mechanism which relaxes facial tension leading to a reduction in superficial facial lines & wrinkles with regular use. In **clinical studies** depth of wrinkles were reduced by **27% following 30 days** of treatment & new formation of wrinkles was inhibited as well.

**Use:** add to aqueous phase of formulas (creams, lotions, gels etc).

**Typical use level** is 5%-25%

**Applications:** anti-aging / anti-wrinkle creams, lotions, & gels. Protective creams, sun care & after sun products.

**Combinations:** can be combined with e.g. Vitamins, Coenzyme Q10, Hyaluronic acid.

Used in product lines such as: Principal Secret<sup>®</sup> Reclaim<sup>®</sup>, Almay, Dr. Denese Night Care, Seattle Skincare Products, AlphaDerm, more!