

Acetyl Octaptide-3 Productsheet

INCI name:**Acetyl octapeptide-3**

Peptide sequence:

Ac-Glu-Glu-Met-Gln-Arg-Arg-Ala-Asp-NH₂

Molecular formula:

C₄₂H₇₂N₁₆O₁₅S

Molecular weight:

1073.2

Cas No.

868844-74-0

Synonym:

Snap-8

Application:

Cosmetics – skin recovery

Packaging:

bottle

Filling quantity:

1 g / bottle
5 g / bottle
10 g / bottle
100 g / bottle
special packaging upon request

Shelf life:

up to 2 years, not opened

Storage conditions:

dry and cool
avoid direct sunlight and heat

Acetyl Octapeptide-3 Specifications

Test	Specifications
Appearance	white powder, amorph with low density
Identity	Monoisotopic Mass: 1076.14 ± 1
Solubility	in water and 1 % acetic acid concentration of > = 1 mg/ml, clear solution
Amino acids	Met: 0.7 - 1.1 Glx: 2.7 - 3.3 Arg: 1.8 - 2.2 Ala: 0.7 - 1.1
Purity of peptide (HPLC)	> = 98 %
Peptide content	> = 80 %
Molecular weight	800 – 1500 k Da
Acetic acid	< = 15.0 %
Water (KF)	< = 8.0 %
Bacterial endotoxins	< = 50 IU/mg

Descriptions

Acetyl Octapeptide-3 is a synthetic peptide. It can reduce the appearance of fine-lines. It may play a role in helping skin look younger, and can help hydrate and smooth skin. Acetyl Octapeptide-3 is built sequentially on a solid polymer resin, adding all the amino acids, up to 8, one by one. After the synthesis, the peptide is cleaved off the resin and analyzed for purity. Acetyl Octapeptide-3 modulates the formation of the SNARE complex involved in muscle stimulation. It mimics one of the proteins of the complex, SNAP-25. It acts as a competitor of SNAP-25 and occupies its place in the SNARE complex, interfering with its formation, decreasing stability, and relaxing muscles.

Functions

Botox-like, Smoothing

Recommanded use level:

100ppm-1000ppm