

Acetyl Hexapeptide-37

INCI	Acetyl Hexapeptide-37
Peptide Sequence:	-
Molecular Formula:	$C_{22}H_{35}N_7O_8$
Molecular weight:	525.57
Cas No.:	-
Synonym:	Diffuporine
Application:	cosmetics
Packaging:	bottle
Filling quantity:	1 g / bottle 5 g /bottle 10 g / bottle 100 g / bottle special packaging upon request
Storage and shelf life:	cool, dark and clean place -20°C shelf life 24 months 2 - 8 °C shelf life 12 months



Product Specification

Acetyl Hexapeptide-37

Test	Specification	Batch YS210701
Appearance	white or off-white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	525.56±1	525.27
Solubility	soluble in water (> 1 mg/ml)	conforms
Peptide purity (by HPLC)	≥ 95 % by area integration	98.71 %
Water content (Karl Fischer)	≤ 8 %	3.4 %

Characteristics

Acetyl Hexapeptide-37 enhances aquaporin3 (AQP3) expression, improving the water flux from the basal layer of the epidermis to the stratum corneum. Skin hydration is not only preserved but raised with Acetyl Hexapeptide-37. Furthermore, it improves the barrier function and increases collagen I synthesis and keratinocyte proliferation, providing a complete treatment against aging.

Use level: 0.001 – 0.005 %

Cosmetic benefits

Acetyl Hexapeptide-37 rejuvenates the skin by increasing skin moisturization, protein synthesis and cell proliferation. Furthermore, activation of AQP3 increases stratum corneum water content and improves skin barrier function.

