

# Trifluoroacetyl Tripeptide-2

<b>INCI</b>	Trifluoroacetyl Tripeptide-2
<b>Peptide Sequence:</b>	-
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>28</sub> F <sub>3</sub> N <sub>3</sub> O <sub>6</sub>
<b>Molecular weight:</b>	475.47
<b>Cas No.:</b>	64577-63-5
<b>Synonym:</b>	Progeline
<b>Application:</b>	cosmetics - anti-aging firming care remodeling skin care
<b>Packaging:</b>	bottle
<b>Filling quantity:</b>	1 g / bottle 5 g / bottle 10 g / bottle 100 g / bottle special packaging upon request
<b>Storage and shelf life:</b>	cool, dark and clean place -20°C shelf life 36 months 2 - 8 °C shelf life 12 months



# Product Specification

## Trifluoroacetyl Tripeptide-2

Test	Specification	Batch YS210401
Appearance	white powder	conforms
Identity by HPLC	the retention is same with the reference substance	conforms
Identity by MS	475.19±1	475.13
Peptide purity (by HPLC)	≥ 95 %	97.15 %
Water content (Karl Fischer)	≤ 8 %	4.07 %

### Characteristics

Trifluoroacetyl Tripeptide-2 is a three amino acids peptide biomimetic of elafin that modulates progerin, a new senescence marker, for a complete remodelling effect and reduction of the appearance of wrinkles.

Use level: 0.001 – 0.01 % (insoluble in water, optimum pH 5-7)

Trifluoroacetyl Tripeptide-2 should be incorporated at the final stage of the manufacturing, provided the temperature is below 40 °C.

### Cosmetic benefits

- . reduces progerin synthesis and inhibit MMPs and elastase
- . increases syndecan and collagen production
- . reduces signs of aging: sagging and wrinkles
- . remodelling effect
- . improves the jaw line

