

## Acetyl tetrapeptide-15 Acetate

## Chemical Properties

CAS No. :

Formula: C<sub>36</sub>H<sub>43</sub>N<sub>5</sub>O<sub>8</sub>

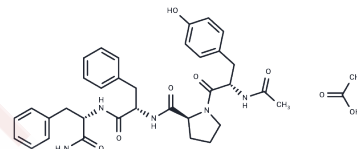
Molecular Weight: 673.76

Storage:

Store at low temperature, Keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Acetyl tetrapeptide-15 Acetate (Skinasensyl Acetate), a synthetic peptide used in cosmetic products for sensitive skin, is an endomorphin-2 derivative that extends the range of neuronal excitability thresholds in the $\mu$ -opioid receptor via an endorphin-like pathway, and can be used to study inflammatory and neuropathic pain produced by skin hyperreactivity. Inflammatory and neuropathic pain produced by skin hyperresponsiveness.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 252.5 mg/mL (374.76 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4842 mL	7.421 mL	14.8421 mL
5 mM	0.2968 mL	1.4842 mL	2.9684 mL
10 mM	0.1484 mL	0.7421 mL	1.4842 mL
50 mM	0.0297 mL	0.1484 mL	0.2968 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Resende DISP, et al. Usage of Synthetic Peptides in Cosmetics for Sensitive Skin. Pharmaceuticals (Basel). 2021;14 (8):702.

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