

## Chemerin-9 (149-157) (TFA)

## Chemical Properties

CAS No. :

Formula: C56H67F3N10O15

Molecular Weight: 1177.18

Keep away from moisture

Storage: 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	Chemerin-9 (149-157) TFA is a potent CMKLR1 (chemokine-like receptor 1) agonist with anti-inflammatory properties. It activates phosphorylation of Akt and ERK and induces ROS production, beneficially modulating immune responses, adipocyte differentiation, and glucose metabolism. Additionally, it has been shown to alleviate A $\beta$ 1-42-induced memory impairment, highlighting its therapeutic potential [1] [2] [3] [4].
Targets(IC50)	ERK,Beta Amyloid,Reactive Oxygen Species,Akt,Chemerin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8495 mL	4.2474 mL	8.4949 mL
5 mM	0.1699 mL	0.8495 mL	1.699 mL
10 mM	0.0849 mL	0.4247 mL	0.8495 mL
50 mM	0.017 mL	0.0849 mL	0.1699 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.

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