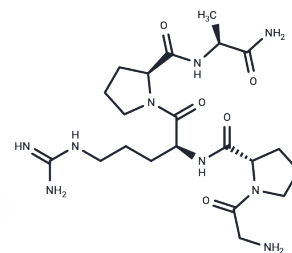


Pentapeptide-3

Chemical Properties

CAS No. :	135679-88-8
Formula:	C ₂₁ H ₃₇ N ₉ O ₅
Molecular Weight:	495.58
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Pentapeptide-3, a pentapeptide fragment derived from waglerin-1 neurotoxin, is sourced from Temple Viper venom. This compound serves as a competitive antagonist of nicotinic acetylcholine receptors (nAChRs), blocking nerve signals at the post-synaptic membrane. Notably, Pentapeptide-3 exhibits anti-aging properties and is commonly incorporated with other cosmetic peptides for enhanced effects [1] [2].
Targets(IC50)	AChR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0178 mL	10.0892 mL	20.1784 mL
5 mM	0.4036 mL	2.0178 mL	4.0357 mL
10 mM	0.2018 mL	1.0089 mL	2.0178 mL
50 mM	0.0404 mL	0.2018 mL	0.4036 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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