

RI-OR2

## Chemical Properties

CAS No. : 1219627-58-3

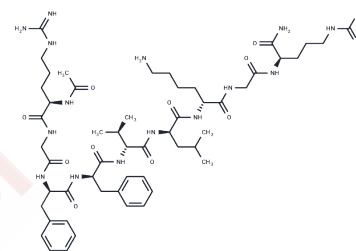
Formula: C53H85N17O10

Molecular Weight: 1120.35

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	RI-OR2 is a retro-inverso peptide that acts as an amyloid- $\beta$ ( $A\beta$ ) oligomerization inhibitor. It binds to fixed $\beta$ -Amyloid (1-42) monomers and fibrils, with an apparent $K_d$ of 9-12 $\mu$ M, and also serves as an inhibitor of $A\beta$ (1-42) fibril extension.
Targets(IC50)	Beta Amyloid
In vitro	RI-OR2 significantly counteracts the toxicity of $A\beta$ (1-42) on cultured SH-SY5Y neuroblastoma cells [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8926 mL	4.4629 mL	8.9258 mL
5 mM	0.1785 mL	0.8926 mL	1.7852 mL
10 mM	0.0893 mL	0.4463 mL	0.8926 mL
50 mM	0.0179 mL	0.0893 mL	0.1785 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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