

## Elabela(19-32) TFA

## Chemical Properties

CAS No. :

Formula: C77H120F3N25O19S2

Molecular Weight: 1821.05

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	Elabela(19-32) TFA, an effective fragment of ELABELA (ELA), selectively engages with the apelin receptor (APJ). This compound initiates G $\alpha$ 1 and $\beta$ -arrestin-2 signaling, demonstrating EC50 values of 8.6 nM and 166 nM, respectively. It facilitates receptor internalization, lowers arterial pressure, and has a positive inotropic impact on cardiac function [1].
Targets(IC50)	Apelin receptor, Arrestin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5491 mL	2.7457 mL	5.4913 mL
5 mM	0.1098 mL	0.5491 mL	1.0983 mL
10 mM	0.0549 mL	0.2746 mL	0.5491 mL
50 mM	0.011 mL	0.0549 mL	0.1098 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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