

SLIGRL-NH2 TFA

Chemical Properties

CAS No. :	2828432-39-7
Formula:	C31H57F3N10O9
Molecular Weight:	770.84
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	SLIGRL-NH2 TFA, also known as Protease-Activated Receptor-2 Activating Peptide TFA, is a Protease-Activated Receptor-2 (PAR-2) agonist [1].
Targets(IC50)	Others,Protease-activated Receptor
In vitro	SLIGRL-NH2 serves as an agonist for both PAR-2 and MrgprC11 [1]. It induces a relaxation that is inhibited by L-NAME, suggesting a nitric oxide-dependent mechanism. Importantly, SLIGRL-NH2 achieves a concentration-dependent relaxation with an EC50 of 10 μ M in endothelium-free preparations when accompanied by perivascular adipose tissue (PVAT). Consequently, a concentration of 20 μ M is selected for further experiments to assess the influence of inhibitors on ADRF release and activity. In endothelium-denuded aortic preparations, the peptide solely elicits this concentration-dependent relaxation in conjunction with PVAT [+PVAT, -ENDO (endothelium)] [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2973 mL	6.4864 mL	12.9729 mL
5 mM	0.2595 mL	1.2973 mL	2.5946 mL
10 mM	0.1297 mL	0.6486 mL	1.2973 mL
50 mM	0.0259 mL	0.1297 mL	0.2595 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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