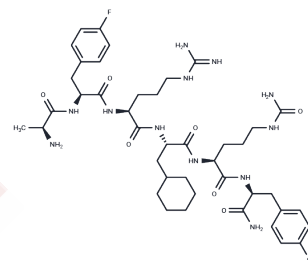


Ala-parafluoroPhe-Arg-Cha-Cit-Tyr-NH<sub>2</sub>

## Chemical Properties

CAS No. :	211190-38-4
Formula:	C42H63FN12O8
Molecular Weight:	883.02
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	Ala-parafluoroPhe-Arg-Cha-Cit-Tyr-NH <sub>2</sub> is a biologically active peptide functioning as a selective agonist for Protease Activated Receptor 1 (PAR-1) [a subtype of G-protein coupled receptors involved in mediating thrombin's cellular effects]. Exhibiting high specificity for PAR-1 over PAR-2, its selectivity was assessed via cell-based calcium signaling assays in HEK293 cells. As an agonist, it is instrumental for in vivo investigations of PAR-1 activation. PAR-1 also collaborates with PAR-4, influencing thrombin-induced hepatocellular carcinoma within [coagulation type] tumor environments where thrombin generation occurs.
Targets(IC50)	Protease-activated Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1325 mL	5.6624 mL	11.3248 mL
5 mM	0.2265 mL	1.1325 mL	2.265 mL
10 mM	0.1132 mL	0.5662 mL	1.1325 mL
50 mM	0.0226 mL	0.1132 mL	0.2265 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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