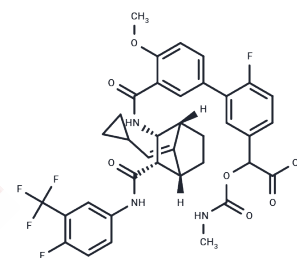


RXFP1 receptor agonist-9

Chemical Properties

CAS No. :	2924765-23-9
Formula:	C37H34F5N3O7
Molecular Weight:	727.67
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	RXFP1 receptor agonist-9 is a potent RXFP1 agonist with an EC50 value of 2.5 μ M and a Ymax of 65%. This compound exhibits significant microsomal stability, desirable pharmacokinetic properties, and pharmacodynamic activity. RXFP1 receptor agonist-9 is useful in the study of heart failure.
Targets(IC50)	RXFP receptor
In vivo	RXFP1 receptor agonist-9 (Compound 39) administered intravenously at doses of 1.5 and 5 mg/min/kg once daily for 21 days in isoflurane-anesthetized, non-tumor-bearing rats produces a dose-dependent increase in heart rate, resembling the hemodynamic effects of relaxin. Additionally, RXFP1 receptor agonist-9, given at 25 mg/kg intravenously on days 6 and 7, significantly expands the interpubic ligament (IPL), replicating the effects of relaxin observed in C57BL/6 mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3742 mL	6.8712 mL	13.7425 mL
5 mM	0.2748 mL	1.3742 mL	2.7485 mL
10 mM	0.1374 mL	0.6871 mL	1.3742 mL
50 mM	0.0275 mL	0.1374 mL	0.2748 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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