

PCC0105005

Chemical Properties

CAS No. : 2921670-99-5
 Formula: C51H63N11O4
 Molecular Weight: 894.14
 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	PCC0105005 is a dual-target CGRP Receptor antagonist (IC ₅₀ = 1.01 nM) and 5-HT _{1F} Receptor partial agonist (EC ₅₀ = 77.91 nM). It demonstrates significant efficacy in rat models of migraine. PCC0105005 significantly reduces the expression of CGRP and c-Fos proteins while inhibiting the phosphorylation levels of ERK and CREB. This compound is useful for migraine research.
Targets(IC ₅₀)	ERK,Epigenetic Reader Domain,5-HT Receptor,CGRP Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1184 mL	5.592 mL	11.1839 mL
5 mM	0.2237 mL	1.1184 mL	2.2368 mL
10 mM	0.1118 mL	0.5592 mL	1.1184 mL
50 mM	0.0224 mL	0.1118 mL	0.2237 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481