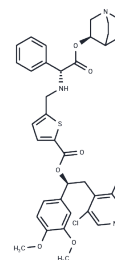


PDE4-IN-4

Chemical Properties

CAS No. : 1793069-00-7
Formula: C₃₆H₃₇Cl₂N₃O₇S
Molecular Weight: 726.67
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PDE4-IN-4 is a compound acting as both a potent M3 antagonist (p IC ₅₀ = 10.2) and a PDE4 inhibitor (p IC ₅₀ = 8.8), designed for inhalation-based treatment of pulmonary diseases.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3761 mL	6.8807 mL	13.7614 mL
5 mM	0.2752 mL	1.3761 mL	2.7523 mL
10 mM	0.1376 mL	0.6881 mL	1.3761 mL
50 mM	0.0275 mL	0.1376 mL	0.2752 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.

Reference

Armani E, et al. Discovery of M3 Antagonist-PDE4 Inhibitor Dual Pharmacology Molecules for the Treatment of Chronic Obstructive Pulmonary Disease. J Med Chem. 2021 Jul 8;64(13):9100-9119.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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