

PDE4-IN-26

Chemical Properties

CAS No. :

Formula: C22H18F2N4O3S

Molecular Weight: 456.47

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	PDE4-IN-26 (Compound A5) is an orally active, highly selective inhibitor of PDE4. It exhibits anti-inflammatory properties by inhibiting p38 MAPK phosphorylation. In mouse models of acute lung injury and chronic obstructive pulmonary disease, PDE4-IN-26 reduces lung inflammation, damage, and fibrosis, while promoting sputum secretion and alleviating cough. It is useful for researching lung injury-related diseases.
Targets(IC50)	p38 MAPK,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1907 mL	10.9536 mL	21.9072 mL
5 mM	0.4381 mL	2.1907 mL	4.3814 mL
10 mM	0.2191 mL	1.0954 mL	2.1907 mL
50 mM	0.0438 mL	0.2191 mL	0.4381 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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