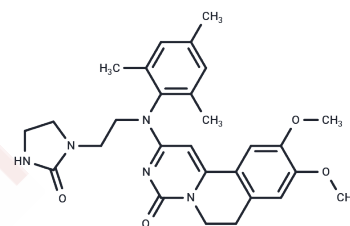


PDE3/4-IN-2

Chemical Properties

CAS No. :	2857007-03-3
Formula:	C ₂₈ H ₃₃ N ₅ O ₄
Molecular Weight:	503.59
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	PDE3/4-IN-2 is a potent dual PDE3/PDE4 inhibitor with IC ₅₀ values of 0.13 nM for PDE3A and 50 nM for PDE4B1. It is used to investigate PDE-related diseases such as asthma, COPD, sepsis, and nephritis. The dual-target activity of PDE3/4-IN-2 provides a mechanistic basis for dissecting cAMP regulation and inflammatory signaling pathways.
Targets(IC ₅₀)	PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9857 mL	9.9287 mL	19.8574 mL
5 mM	0.3971 mL	1.9857 mL	3.9715 mL
10 mM	0.1986 mL	0.9929 mL	1.9857 mL
50 mM	0.0397 mL	0.1986 mL	0.3971 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.

Reference

Li ZY, et al. Isoquinolone compound and use thereof. WO2022228544A1. 2022-11-03.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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