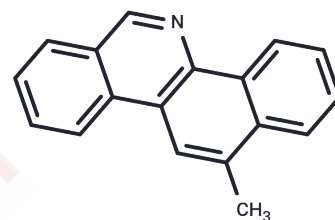


PDE4-IN-10

Chemical Properties

CAS No. :	2413564-66-4
Formula:	C ₁₈ H ₁₃ N
Molecular Weight:	243.3
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-10 (compound 7a) is a potent PDE4 inhibitor with an IC ₅₀ of 7.01 μM for PDE4B, demonstrating selectivity, microsomal stability, TNF-α inhibition, and no major toxicities in vitro [1].
Targets(IC ₅₀)	Others,PDE,TNF
In vitro	PDE4-IN-10 (compound 7a) demonstrates selective inhibition of PDE4B, with 64.56% inhibition at 10 μM and 54% at 30 μM, compared to 17% inhibition of PDE4D at 10 μM, indicating a ~3.8-fold selectivity for PDE4B over PDE4D [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1102 mL	20.5508 mL	41.1015 mL
5 mM	0.822 mL	4.1102 mL	8.2203 mL
10 mM	0.411 mL	2.0551 mL	4.1102 mL
50 mM	0.0822 mL	0.411 mL	0.822 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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