

PDE4-IN-22

## Chemical Properties

CAS No. :

Formula: C<sub>22</sub>H<sub>19</sub>F<sub>4</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 449.40

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-22 (Compound 2e) is a phosphodiesterase 4 (PDE4) inhibitor with an IC <sub>50</sub> value of 2.4 nM. It exhibits anti-inflammatory properties and demonstrates significant anti-psoriatic effects in an Imiquimod-induced psoriasis mouse model.
Targets(IC <sub>50</sub> )	Interleukin,PDE,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2252 mL	11.1259 mL	22.2519 mL
5 mM	0.445 mL	2.2252 mL	4.4504 mL
10 mM	0.2225 mL	1.1126 mL	2.2252 mL
50 mM	0.0445 mL	0.2225 mL	0.445 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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