

PDE4-IN-3

## Chemical Properties

CAS No. : 2755687-49-9  
 Formula: C35H33FO8  
 Molecular Weight: 600.639  
 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-3 is a newly developed oral compound that acts as a potent inhibitor of the enzyme phosphodiesterase 4 (PDE4), displaying a high affinity for inhibition with an IC50 value of 4.2 nM. |
| Targets(IC50) | Others,PDE   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.6649 mL | 8.3245 mL | 16.6489 mL |
| 5 mM  | 0.333 mL  | 1.6649 mL | 3.3298 mL  |
| 10 mM | 0.1665 mL | 0.8324 mL | 1.6649 mL  |
| 50 mM | 0.0333 mL | 0.1665 mL | 0.333 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

Huang YY, et al. Mangostanin Derivatives as Novel and Orally Active Phosphodiesterase 4 Inhibitors for the Treatment of Idiopathic Pulmonary Fibrosis with Improved Safety. J Med Chem. 2021 Sep 23;64(18):13736-13751.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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