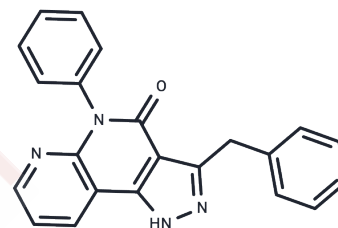


GPD-1116

## Chemical Properties

CAS No. : 690690-72-3  
 Formula: C<sub>22</sub>H<sub>16</sub>N<sub>4</sub>O  
 Molecular Weight: 352.39  
 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	GPD-1116 is an orally active inhibitor of phosphodiesterase (PDE)4 and PDE1. The compound effectively reduces smoke-induced apoptosis in lung cells. Additionally, GPD-1116 has shown efficacy in various animal disease models, including emphysema, acute lung injury, chronic obstructive pulmonary disease (COPD), asthma, and pulmonary arterial hypertension.
Targets(IC50)	Apoptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8378 mL	14.1888 mL	28.3776 mL
5 mM	0.5676 mL	2.8378 mL	5.6755 mL
10 mM	0.2838 mL	1.4189 mL	2.8378 mL
50 mM	0.0568 mL	0.2838 mL	0.5676 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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