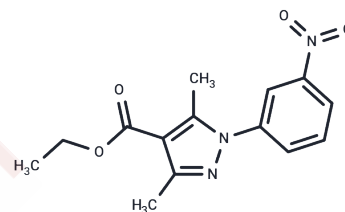


## Phosphodiesterase 4 Inhibitor

## Chemical Properties

CAS No. :	346440-86-6
Formula:	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	289.29
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	Phosphodiesterase 4 (PDE4) inhibitor is an inhibitor of PDE4 with an IC <sub>50</sub> value of 0.10 μM for the human recombinant enzyme.
Targets(IC <sub>50</sub> )	Others,PDE

## Solubility Information

Solubility	DMF: 30 mg/mL (103.7 mM),Sonication is recommended. DMSO: 30 mg/mL (103.7 mM),Sonication is recommended. Ethanol: 5 mg/mL (17.28 mM),Sonication is recommended. DMSO:PBS (pH 7.2) (1:10): 0.1 mg/mL (0.35 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4567 mL	17.2837 mL	34.5674 mL
5 mM	0.6913 mL	3.4567 mL	6.9135 mL
10 mM	0.3457 mL	1.7284 mL	3.4567 mL
50 mM	0.0691 mL	0.3457 mL	0.6913 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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