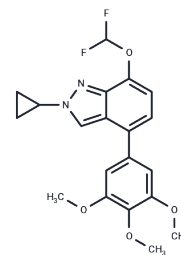


Z21115

## Chemical Properties

CAS No. : 2958668-54-5  
 Formula: C<sub>20</sub>H<sub>20</sub>F<sub>2</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 390.38  
 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	Z21115 is an orally effective phosphodiesterase 4 (PDE4) inhibitor that can inhibit PDE4D7 with an IC <sub>50</sub> of 10.5 nM. It suppresses the expression of IL-6, TNF- $\alpha$ , and iNOS induced by Lipopolysaccharide. In a DSS-induced mouse colitis model, Z21115 demonstrates anti-inflammatory activity without significant toxicity at doses up to 1 g/kg.
Targets(IC <sub>50</sub> )	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5616 mL	12.808 mL	25.6161 mL
5 mM	0.5123 mL	2.5616 mL	5.1232 mL
10 mM	0.2562 mL	1.2808 mL	2.5616 mL
50 mM	0.0512 mL	0.2562 mL	0.5123 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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