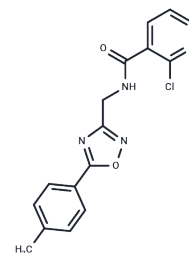


## AnCDA-IN-1

## Chemical Properties

CAS No. :	1185081-36-0
Formula:	C <sub>16</sub> H <sub>13</sub> ClN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	328.753
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	AnCDA-IN-1 (Compound J075-4187) is an inhibitor of chitin deacetylase (CDA) exhibiting antifungal properties. It possesses an IC <sub>50</sub> of 4.24 μM against A. nidulans AnCDA. The compound demonstrates a minimum inhibitory concentration (MIC) of 260 μg/mL and a minimum fungicidal concentration (MFC) of 520 μg/mL for food spoilage fungi and plant pathogenic fungi. AnCDA-IN-1 is applicable for research in the antifungal domain.
Targets(IC <sub>50</sub> )	Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0418 mL	15.2091 mL	30.4183 mL
5 mM	0.6084 mL	3.0418 mL	6.0837 mL
10 mM	0.3042 mL	1.5209 mL	3.0418 mL
50 mM	0.0608 mL	0.3042 mL	0.6084 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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