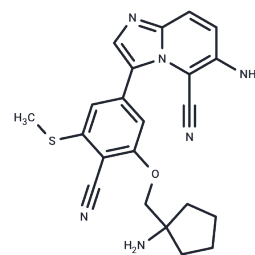


SIK-IN-2

## Chemical Properties

CAS No. : 3033846-20-4  
 Formula: C<sub>22</sub>H<sub>22</sub>N<sub>6</sub>O<sub>5</sub>  
 Molecular Weight: 418.52  
 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	SIK-IN-2 (Compound 45) is a potent inhibitor of salt-inducible kinase (SIK), effectively targeting SIK1, SIK2, and SIK3 with IC <sub>50</sub> values of 0.1, 0.2, and 0.4 nM, respectively. Additionally, it suppresses TNF $\alpha$ release with an IC <sub>50</sub> of 0.5 nM and promotes LPS-induced IL-10 release with an EC <sub>50</sub> of 2 nM in human macrophages [1].
Targets(IC <sub>50</sub> )	AMPK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3894 mL	11.9469 mL	23.8937 mL
5 mM	0.4779 mL	2.3894 mL	4.7787 mL
10 mM	0.2389 mL	1.1947 mL	2.3894 mL
50 mM	0.0478 mL	0.2389 mL	0.4779 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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