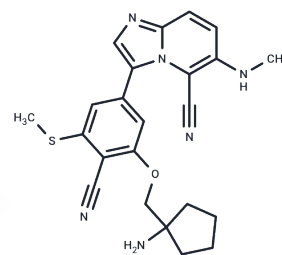


SIK-IN-1

Chemical Properties

CAS No. : 3033846-29-3
 Formula: C₂₃H₂₄N₆O₅
 Molecular Weight: 432.54
 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-1 (Compound 53) acts as a potent inhibitor of salt-inducible kinase (SIK), specifically targeting SIK1, SIK2, and SIK3 with IC ₅₀ values of 0.1, 0.4, and 1.5 nM, respectively. Additionally, it effectively suppresses TNF α release with an IC ₅₀ of 0.5 nM and enhances LPS-induced IL-10 release in human macrophages with an EC ₅₀ of 4 nM [1].
Targets(IC ₅₀)	AMPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3119 mL	11.5596 mL	23.1192 mL
5 mM	0.4624 mL	2.3119 mL	4.6238 mL
10 mM	0.2312 mL	1.156 mL	2.3119 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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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