

WH-4-025

Chemical Properties

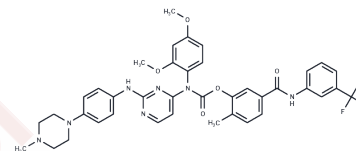
CAS No. : 1876463-35-2

Formula: C₃₉H₃₈F₃N₇O₅

Molecular Weight: 741.76

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	WH-4-025 is a Salt-inducible kinase (SIK) inhibitor that targets the SIK family of proteins.
Targets(IC50)	AMPK,SIK

Solubility Information

Solubility	DMSO: 125 mg/mL (168.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (5.39 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3481 mL	6.7407 mL	13.4814 mL
5 mM	0.2696 mL	1.3481 mL	2.6963 mL
10 mM	0.1348 mL	0.6741 mL	1.3481 mL
50 mM	0.027 mL	0.1348 mL	0.2696 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.

Reference

Brookline Avenue, et al. USES OF SALT-INDUCIBLE KINASE (SIK) INHIBITORS. Patent WO2016023014A2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481