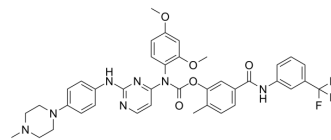


WH-4-025

Cat. No.:	HY-138001		
CAS No.:	1876463-35-2		
Molecular Formula:	C ₃₉ H ₃₈ F ₃ N ₇ O ₅		
Molecular Weight:	741.76		
Target:	Salt-inducible Kinase (SIK)		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (168.52 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (2.80 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.08 mg/mL (2.80 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (2.80 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

WH-4-025 is a Salt-inducible kinase (SIK) inhibitor (WO2016023014 A2)^[1].

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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