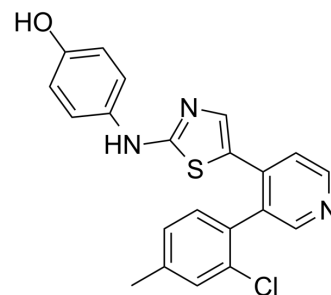


CRT0105950

Cat. No.:	HY-120025		
CAS No.:	1661845-86-8		
Molecular Formula:	C ₂₁ H ₁₆ ClN ₃ OS		
Molecular Weight:	393.89		
Target:	LIM Kinase (LIMK)		
Pathway:	Cell Cycle/DNA Damage		
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 : 250 mg/mL (634.69 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5388 mL	12.6939 mL	25.3878 mL
		5 mM	0.5078 mL	2.5388 mL	5.0776 mL
10 mM		0.2539 mL	1.2694 mL	2.5388 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.28 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	CRT0105950 is a potent LIMK inhibitor, with IC ₅₀ s of 0.3 nM and 1 nM for LIMK1 and LIMK2 respectively. CRT0105950 can be used for the research of cancer ^[1] .	
IC₅₀ & Target	LIMK1 0.3 nM (IC ₅₀)	LIMK2 1 nM (IC ₅₀)

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA