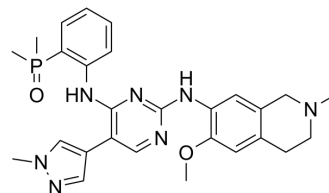


HPK1-IN-19

Cat. No.:	HY-145107		
CAS No.:	2227609-33-6		
Molecular Formula:	C ₂₇ H ₃₂ N ₇ O ₂ P		
Molecular Weight:	517.56		
Target:	MAP4K		
Pathway:	MAPK/ERK Pathway		
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 : 100 mg/mL (193.21 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9321 mL	9.6607 mL	19.3214 mL
		5 mM	0.3864 mL	1.9321 mL	3.8643 mL
10 mM		0.1932 mL	0.9661 mL	1.9321 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: 2.5 mg/mL (4.83 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (4.83 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	HPK1-IN-19 is a hematopoietic progenitor kinase 1 (HPK1) inhibitor extracted from patent WO2018102366A1 compound I-47 [1].
IC ₅₀ & Target	hematopoietic progenitor kinase 1 (HPK1) ^[1]

REFERENCES

[1]. Huang WS, et, al. Anilinyrimidines as haematopoietic progenitor kinase 1 (hpk1) inhibitors. WO2018102366A1.

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

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