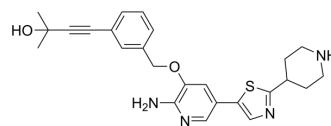


HPK1-IN-34

Cat. No.:	HY-153362		
CAS No.:	2380300-99-0		
Molecular Formula:	C ₂₅ H ₂₈ N ₄ O ₂ S		
Molecular Weight:	448.58		
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 : 25 mg/mL (55.73 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2293 mL	11.1463 mL	22.2926 mL
		5 mM	0.4459 mL	2.2293 mL	4.4585 mL
10 mM		0.2229 mL	1.1146 mL	2.2293 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 (5.57 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.57 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	HPK1-IN-34 (Compound 143) is a Hematopoietic progenitor kinase 1 (HPK1) inhibitor with an IC ₅₀ of <100 nM ^[1] . HPK1-IN-34 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC ₅₀ & Target	HPK1 <100 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