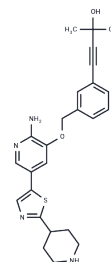


HPK1-IN-34

## Chemical Properties

CAS No. :	2380300-99-0
Formula:	C <sub>25</sub> H <sub>28</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	448.58
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	HPK1-IN-34 (Compound 143) is an inhibitor of HPK1 (Haematopoietic progenitor kinase 1) with an IC <sub>50</sub> < 0.1 μM, suitable for cancer and immunology research.
Targets(IC50)	Others,MAPK

## Solubility Information

Solubility	DMSO: 20 mg/mL (44.59 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: 2 mg/mL (4.46 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	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
50 mM	0.0446 mL	0.2229 mL	0.4459 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

Xuebin Liao, et al. Hpk1 inhibitors, preparation method and application thereof. Patent WO2019206049A1.

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