

HG-14-10-04

## Chemical Properties

CAS No. : 1356962-34-9

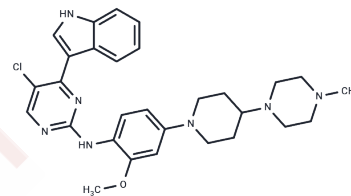
Formula: C<sub>29</sub>H<sub>34</sub>ClN<sub>7</sub>O

Molecular Weight: 532.08

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	HG-14-10-04 is a potent and specific ALK (anaplastic lymphoma kinase) inhibitor.
Targets(IC50)	EGFR,ALK

## Solubility Information

Solubility	DMSO: 6.6 mg/mL (12.4 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: 1 mg/mL (1.88 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	1.8794 mL	9.3971 mL	18.7942 mL
5 mM	0.3759 mL	1.8794 mL	3.7588 mL
10 mM	0.1879 mL	0.9397 mL	1.8794 mL
50 mM	0.0376 mL	0.1879 mL	0.3759 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

U.S. Pat. Appl. Publ. (2012), US 20120028924 A1

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