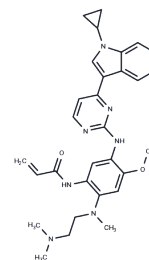


Almonertinib

Chemical Properties

CAS No. :	1899921-05-1
Formula:	C30H35N7O2
Molecular Weight:	525.64
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	Almonertinib (HS-10296) is an inhibitor specifically targeting EGFR activation mutations and the resistant EGFR T790M mutation, exhibiting limited activity against wild-type EGFR.
Targets(IC50)	EGFR

Solubility Information

Solubility	DMSO: 54.55 mg/mL (103.78 mM),Sonication is recommended. Ethanol: 6 mg/mL (11.41 mM),Sonication is recommended. H2O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (9.51 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	1.9024 mL	9.5122 mL	19.0244 mL
5 mM	0.3805 mL	1.9024 mL	3.8049 mL
10 mM	0.1902 mL	0.9512 mL	1.9024 mL
50 mM	0.038 mL	0.1902 mL	0.3805 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

Wei X, Zhang G, Liu Q, et al. Almonertinib and aflutinib show novel inhibition on rare EGFR S768I mutant cells. *Clinical and Translational Oncology*. 2024: 1-16.

Zhang C, Sun Y X, Yi D C, et al. Neoadjuvant sintilimab plus chemotherapy in EGFR-mutant NSCLC: Phase 2 trial interim results (NEOTIDE/CTONG2104). *Cell Reports Medicine*. 2024

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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