

Zongertinib

Chemical Properties

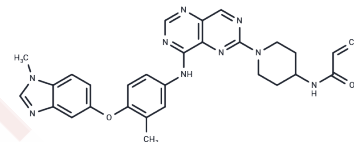
CAS No. : 2728667-27-2

Formula: C₂₉H₂₉N₉O₂

Molecular Weight: 535.6

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	Zongertinib is a human HER2-selective tyrosine kinase inhibitor, a novel TK that is highly selective for covalent binding to the HER2 tyrosine kinase domain (TKD). Zongertinib exhibits antitumor activity with inhibitory effects on pHER2 and EGF.
Targets(IC50)	HER,c-Met/HGFR,Tyrosine Kinases

Solubility Information

Solubility	DMSO: 45.91 mg/mL (85.72 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 (3.73 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	1.8671 mL	9.3353 mL	18.6706 mL
5 mM	0.3734 mL	1.8671 mL	3.7341 mL
10 mM	0.1867 mL	0.9335 mL	1.8671 mL
50 mM	0.0373 mL	0.1867 mL	0.3734 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

Wilding Birgit, et al. Synthesis of diazino-pyrimidines as anticancer agents. WO2021213800.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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