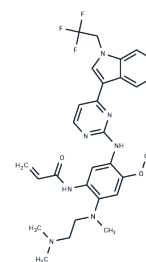


Befotertinib

Chemical Properties

CAS No. :	1835667-63-4
Formula:	C ₂₉ H ₃₂ F ₃ N ₇ O ₂
Molecular Weight:	567.61
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	Befotertinib (D-0316) is an inhibitor of EGFR tyrosine kinase and can be used for studies about EGFR T790M-positive non-small cell lung cancer.
Targets(IC50)	EGFR

Solubility Information

Solubility	DMSO: 60 mg/mL (105.71 mM), Sonication and heating to 60°C are 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 (3.52 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	1.7618 mL	8.8089 mL	17.6177 mL
5 mM	0.3524 mL	1.7618 mL	3.5235 mL
10 mM	0.1762 mL	0.8809 mL	1.7618 mL
50 mM	0.0352 mL	0.1762 mL	0.3524 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

Nagasaka M, et, al. Beyond Osimertinib: The Development of Third-Generation EGFR Tyrosine Kinase Inhibitors For Advanced EGFR+ NSCLC. J Thorac Oncol. 2021 May;16(5):740-763.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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