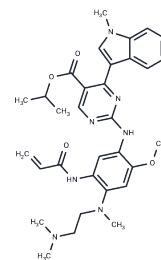


Mobocertinib

Chemical Properties

CAS No. :	1847461-43-1
Formula:	C32H39N7O4
Molecular Weight:	585.7
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	Mobocertinib (tak788) is a potent inhibitor of epidermal growth factor receptor (EGFR) and an antineoplastic agent
Targets(IC50)	EGFR

Solubility Information

Solubility	DMSO: 5 mg/mL (8.54 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: 0.96 mg/mL (1.64 mM), Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 0.5 mg/mL (0.85 mM), Solution. <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	1.7074 mL	8.5368 mL	17.0736 mL
5 mM	0.3415 mL	1.7074 mL	3.4147 mL
10 mM	0.1707 mL	0.8537 mL	1.7074 mL
50 mM	0.0341 mL	0.1707 mL	0.3415 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

Landon J. DURAK, et al. Pharmaceutical salts of pyrimidine derivatives and method of treating disorders.
WO2019222093A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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