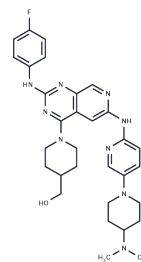


## EGFR-IN-5

## Chemical Properties

CAS No. :	2225887-26-1
Formula:	C31H38FN9O
Molecular Weight:	571.69
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	EGFR-IN-5 is a selective inhibitor of EGFR. The IC50s for EGFR, EGFR(L858R), EGFR (L858R/T790M), and EGFR(L858R/T790M/C797S) are 10.4, 1.1, 34, 7.2 nM, respectively.
Targets(IC50)	EGFR

## Solubility Information

Solubility	DMSO: 120 mg/mL (209.9 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: 4 mg/mL (7 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	1.7492 mL	8.746 mL	17.492 mL
5 mM	0.3498 mL	1.7492 mL	3.4984 mL
10 mM	0.1749 mL	0.8746 mL	1.7492 mL
50 mM	0.035 mL	0.1749 mL	0.3498 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

Zhang H, et al. Discovery of 2,4,6-trisubstitued pyrido[3,4-d]pyrimidine derivatives as new EGFR-TKIs. Eur J Med Chem. 2018 Mar 25;148:221-237.

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