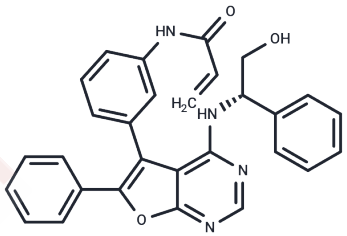
Data Sheet (Cat.No.T11163)

TargetMol

EGFR-IN-9

Chemical Properties



CAS No. : 1226549-39-8

Formula: C29H24N4O3

Molecular Weight: 476.53

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-9 is a potent EGFR kinase inhibitor with IC50s of 7 nM, 28 nM for the wild type EGFR kinase and double mutant EGFR kinase (L858R/T790M). EGFR-IN-9 has antitumor activity.
Targets(IC50)	EGFR
In vitro	EGFR-IN-9 shows antiproliferative activity in HCC827 lung cancer cell line with an IC50 of 8 nM[1].

Solubility Information

Solubility	DMSO: 60 mg/mL (125.91 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: 3.3 mg/mL (6.93 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0985 mL	10.4925 mL	20.985 mL
5 mM	0.4197 mL	2.0985 mL	4.197 mL
10 mM	0.2099 mL	1.0493 mL	2.0985 mL
50 mM	0.042 mL	0.2099 mL	0.4197 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

Coumar MS, et al. Fast-forwarding hit to lead: aurora and epidermal growth factor receptor kinase inhibitor leadidentification. J Med Chem. 2010 Jul 8;53(13):4980-8.