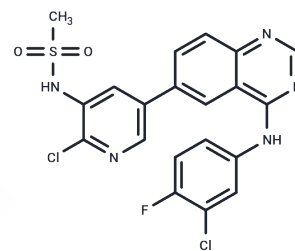


MTX-211

Chemical Properties

CAS No. : 1952236-05-3
 Formula: C₂₀H₁₄Cl₂FN₅O₂S
 Molecular Weight: 478.33
 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	MTX-211, an inhibitor of EGFR and PI3K, is used for the therapy of cancer and other diseases.
Targets(IC50)	EGFR,PI3K

Solubility Information

Solubility	DMSO: 15 mg/mL (31.36 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: 1 mg/mL (2.09 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	2.0906 mL	10.453 mL	20.9061 mL
5 mM	0.4181 mL	2.0906 mL	4.1812 mL
10 mM	0.2091 mL	1.0453 mL	2.0906 mL
50 mM	0.0418 mL	0.2091 mL	0.4181 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

Small molecule inhibitors of egfr and pi3k. WO 2016100347 A2

Huang Y, Wang H, Hao Y, et al. Myeloid PTEN promotes chemotherapy-induced NLRP3-inflammasome activation and antitumour immunity. Nature Cell Biology. 2020: 1-12. (22-6 , 716-727)

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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