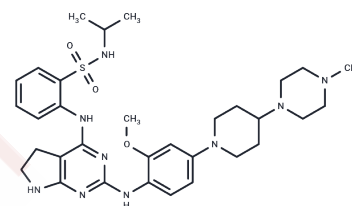


Conteltinib

Chemical Properties

CAS No. :	1384860-29-0
Formula:	C32H45N9O3S
Molecular Weight:	635.82
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	Conteltinib (CT-707) is an enzyme inhibitor with antitumor activity targeting FAK, ALK, and Pyk2. Conteltinib exhibits significant inhibition of FAK, overcomes hypoxia-mediated sorafenib resistance in hepatocellular carcinoma through inhibition of YAP signaling, and can be used in advanced ALK-positive non-small-cell lung cancer and lymphoma.
Targets(IC50)	FAK, PYK2, ALK

Solubility Information

Solubility	DMSO: 20 mg/mL (31.46 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: 2 mg/mL (3.15 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	1.5728 mL	7.8639 mL	15.7277 mL
5 mM	0.3146 mL	1.5728 mL	3.1455 mL
10 mM	0.1573 mL	0.7864 mL	1.5728 mL
50 mM	0.0315 mL	0.1573 mL	0.3146 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

Wang DD, et al. CT-707, a Novel FAK Inhibitor, Synergizes with Cabozantinib to Suppress Hepatocellular Carcinoma by Blocking Cabozantinib-Induced FAK Activation. Mol Cancer Ther. 2016 Dec;15(12):2916-2925.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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