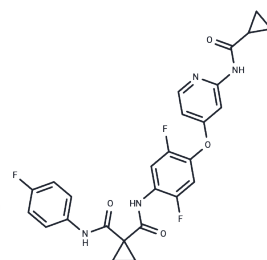


## Altiratinib

## Chemical Properties

CAS No. :	1345847-93-9
Formula:	C <sub>26</sub> H <sub>21</sub> F <sub>3</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	510.46
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	Altiratinib (DCC-2701)(DCC-2701) is a novel c-MET/TIE-2/VEGFR inhibitor; effectively reduce tumor burden in vivo and block c-MET pTyr(1349)-mediated signaling, cell growth and migration as compared with an HGF antagonist in vitro.
Targets(IC50)	FLT,c-Met/HGFR,Tie-2,Trk receptor,VEGFR

## Solubility Information

Solubility	DMSO: 240 mg/mL (470.16 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 (3.92 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	1.959 mL	9.7951 mL	19.5902 mL
5 mM	0.3918 mL	1.959 mL	3.918 mL
10 mM	0.1959 mL	0.9795 mL	1.959 mL
50 mM	0.0392 mL	0.1959 mL	0.3918 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

Kwon Y, et al. Oncogene. 2015 Jan 8;34(2):144-53.

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