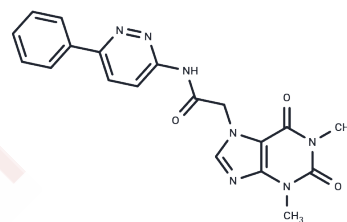


ETC-159

Chemical Properties

CAS No. : 1638250-96-0
 Formula: C₁₉H₁₇N₇O₃
 Molecular Weight: 391.38
 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	ETC-159 (ETC-1922159) is a potent, orally available PORCN inhibitor that inhibits β -catenin reporter activity with an IC ₅₀ of 2.9 nM.
Targets(IC ₅₀)	Porcupine,Wnt/beta-catenin

Solubility Information

Solubility	DMSO: 55 mg/mL (140.53 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 (5.11 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	2.5551 mL	12.7753 mL	25.5506 mL
5 mM	0.511 mL	2.5551 mL	5.1101 mL
10 mM	0.2555 mL	1.2775 mL	2.5551 mL
50 mM	0.0511 mL	0.2555 mL	0.511 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

Madan B, et al. Wnt addiction of genetically defined cancers reversed by PORCN inhibition. Oncogene. 2015 Aug 10. doi: 10.1038/onc.2015.280.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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