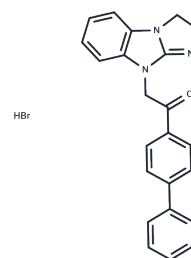


CCT 031374 hydrobromide

Chemical Properties

CAS No. :	1219184-91-4
Formula:	C ₂₃ H ₂₀ BrN ₃ O
Molecular Weight:	434.33
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	CCT 031374 hydrobromide is a TCF/ β -catenin inhibitor with antitumor activities.
Targets(IC50)	Wnt/beta-catenin

Solubility Information

Solubility	DMSO: 74.29 mg/mL (171.05 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 (2.3 mM),Sonication is recommended. 10% DMSO+90% Saline: 7.43 mg/mL (17.11 mM),Suspension. <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	2.3024 mL	11.512 mL	23.024 mL
5 mM	0.4605 mL	2.3024 mL	4.6048 mL
10 mM	0.2302 mL	1.1512 mL	2.3024 mL
50 mM	0.046 mL	0.2302 mL	0.4605 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

Ewan K, et al. A useful approach to identify novel small-molecule inhibitors of Wnt-dependent transcription. Cancer Res. 2010 Jul 15;70(14):5963-73.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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