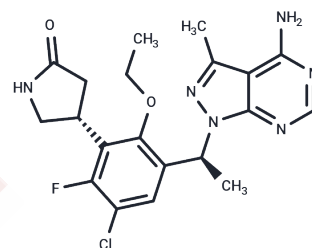


Parsaclisib

Chemical Properties

CAS No. :	1426698-88-5
Formula:	C ₂₀ H ₂₂ ClFN ₆ O ₂
Molecular Weight:	432.88
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	Parsaclisib (INC050465) is a potent and selective inhibitor of PI3K δ (IC ₅₀ of 1 nM at 1 mM ATP)
Targets(IC ₅₀)	PI3K
In vitro	Parsaclisib displays significant activity with IC ₅₀ values ranging from 0.2 to 2 nM in B and T cell proliferation assays. Parsaclisib inhibits proliferation of several DLBCL and MCL cell lines in vitro (EC ₅₀ < 10 nM)[1].

Solubility Information

Solubility	DMSO: 122 mg/mL (281.83 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: 4 mg/mL (9.24 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	2.3101 mL	11.5505 mL	23.1011 mL
5 mM	0.462 mL	2.3101 mL	4.6202 mL
10 mM	0.231 mL	1.1551 mL	2.3101 mL
50 mM	0.0462 mL	0.231 mL	0.462 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

Niu Shin, et al. Abstract 2671: INCB050465, a novel PI3K δ inhibitor, synergizes with PIM protein kinase inhibition to cause tumor regression in a model of DLBCL. *Cancer Research*. 2015, Aug. 75(15).

Shin N, et, al. Parsaclisib Is a Next-Generation Phosphoinositide 3-Kinase δ Inhibitor with Reduced Hepatotoxicity and Potent Antitumor and Immunomodulatory Activities in Models of B-Cell Malignancy. *J Pharmacol Exp Ther*. 2020 Jul;374(1):211-222.

Yue EW, et, al. INCB050465 (Parsaclisib), a Novel Next-Generation Inhibitor of Phosphoinositide 3-Kinase Delta (PI3K δ). *ACS Med Chem Lett*. 2019 Oct 17;10(11):1554-1560.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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