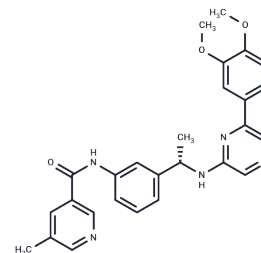


Seralutinib

Chemical Properties

CAS No. :	1619931-27-9
Formula:	C ₂₇ H ₂₇ N ₅ O ₃
Molecular Weight:	469.54
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	Seralutinib (GB002) is an inhibitor of inhaled PDGFR α and PDGFR β . It is used in the study for pulmonary arterial hypertension.
Targets(IC50)	c-Fms,c-Kit,PDGFR
In vivo	GB002 dose- and time-dependently induces lung BMPR2 protein expression.GB002-mediated inhibition of lung PDGFR α / β phosphorylation in healthy Sprague Dawley rats immediately post inhalation[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (212.97 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 (8.52 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	2.1297 mL	10.6487 mL	21.2974 mL
5 mM	0.4259 mL	2.1297 mL	4.2595 mL
10 mM	0.213 mL	1.0649 mL	2.1297 mL
50 mM	0.0426 mL	0.213 mL	0.4259 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

Anna Galkin, et al. Pharmacologic Characterization of GB002, a Novel Inhaled PDGFR Kinase Inhibitor in Development for Pulmonary Arterial Hypertension (PAH).

Anna Galkin, et al. Abstract 11102: Gb002, A Novel Inhaled Pdgfr Kinase Inhibitor, Demonstrates Efficacy in the Su5416 Hypoxia Rat Model of Pulmonary Arterial Hypertension (pah). Circulation. 2019;140:A11102.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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