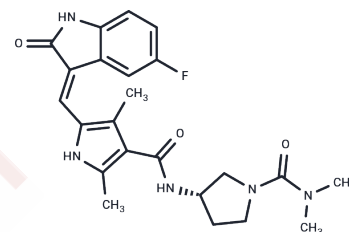


Vorolanib

Chemical Properties

CAS No. :	1013920-15-4
Formula:	C ₂₃ H ₂₆ FN ₅ O ₃
Molecular Weight:	439.48
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	Vorolanib (X-82) is an orally active VEGFR/PDGFR dual inhibitor.
Targets(IC50)	PDGFR,VEGFR

Solubility Information

Solubility	DMSO: 125 mg/mL (284.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (22.75 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (22.75 mM),Solution. <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	2.2754 mL	11.3771 mL	22.7542 mL
5 mM	0.4551 mL	2.2754 mL	4.5508 mL
10 mM	0.2275 mL	1.1377 mL	2.2754 mL
50 mM	0.0455 mL	0.2275 mL	0.4551 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

Bendell JC, et al. Phase I, First-in-Human, Dose-Escalation Study to Evaluate the Safety, Tolerability, and Pharmacokinetics of Vorolanib in Patients with Advanced Solid Tumors. *Oncologist*. 2019 Apr;24(4):455-e121.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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