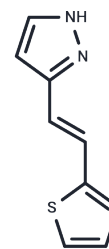


Terevalefim

Chemical Properties

CAS No. :	1070881-42-3
Formula:	C ₉ H ₈ N ₂ S
Molecular Weight:	176.24
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Terevalefim (ANG-3777) is an hepatocyte growth factor (HGF) mimetic. Terevalefim selectively activates the c-Met receptor.
Targets(IC50)	c-Met/HGFR
In vitro	Terevalefim (ANG-3777) (0-10 μ M) significantly inhibited cancer cell proliferation in HUVECs[2].
In vivo	Terevalefim (ANG-3777) reduces apoptosis, enhances proliferation, and supports organ repair and function in animal models[1]. Additionally, Terevalefim (ANG-3777, 40 mg/kg, IP) induces phosphorylation of the c-Met receptor in rats[2].

Solubility Information

Solubility	DMSO: 100 mg/mL (567.41 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 (22.7 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	5.6741 mL	28.3704 mL	56.7408 mL
5 mM	1.1348 mL	5.6741 mL	11.3482 mL
10 mM	0.5674 mL	2.837 mL	5.6741 mL
50 mM	0.1135 mL	0.5674 mL	1.1348 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

Jonathan S Bromberg, et al. Renal Function Improvement Following ANG-3777 Treatment in Patients at High Risk for Delayed Graft Function After Kidney Transplantation. *Transplantation*. 2021 Feb 1;105(2):443-450.

Latha Paka, et al. The Effect of ANG-3777 on Hepatocyte Growth Factor Receptor, c-MET Signaling. *American Transplant Society*.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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