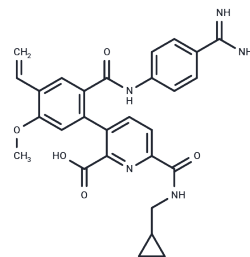


Avoralstat

Chemical Properties

CAS No. :	918407-35-9
Formula:	C ₂₈ H ₂₇ N ₅ O ₅
Molecular Weight:	513.54
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	Avoralstat (BCX4161) is an oral plasma kallikrein (PKK) inhibitor. Which is used for the treatment of hereditary angioedema.
Targets(IC50)	Others,Serine Protease

Solubility Information

Solubility	DMSO: 50 mg/mL (97.36 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: 2 mg/mL (3.89 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	1.9473 mL	9.7363 mL	19.4727 mL
5 mM	0.3895 mL	1.9473 mL	3.8945 mL
10 mM	0.1947 mL	0.9736 mL	1.9473 mL
50 mM	0.0389 mL	0.1947 mL	0.3895 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

Aygoren-Pursun E, et al. Prophylaxis of hereditary angioedema attacks: A randomized trial of oral plasma kallikrein inhibition with avoralstat. J Allergy Clin Immunol. 2016 Sep;138(3):934-936.e5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481