

Feniralstat

Chemical Properties

CAS No. : 2166320-76-7

Formula: C₂₆H₂₅F₂N₅O₄

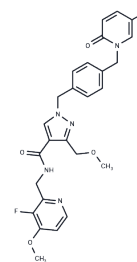
Molecular Weight: 509.51

Storage:

Keep away from direct sunlight, Keep away from moisture

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	Feniralstat (KVD-824) is a selective and highly efficient kallikrein inhibitor. It can be used for researching immune system diseases and cardiovascular diseases.
Targets(IC50)	Serine Protease
In vitro	Feniralstat (Compound 30) is a pyrazole derivative that potently inhibits kallikrein with an IC ₅₀ of 6.7 nM for human plasma kallikrein (pKal). Feniralstat weakly inhibits human KLK1, human FXIa, and human Factor XIIa (all with IC ₅₀ s above 40 μM). [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (157.01 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 (3.93 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	1.9627 mL	9.8134 mL	19.6267 mL
5 mM	0.3925 mL	1.9627 mL	3.9253 mL
10 mM	0.1963 mL	0.9813 mL	1.9627 mL
50 mM	0.0393 mL	0.1963 mL	0.3925 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

Rebecca Louise DAVIE, et al. Pyrazole derivatives as plasma kallikrein inhibitors. WO2017207983A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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