

(1S,3R,5R)-PIM447 dihydrochloride

Chemical Properties

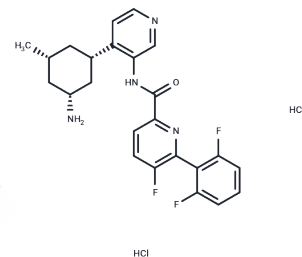
CAS No. :

Formula: C₂₄H₂₅Cl₂F₃N₄O

Molecular Weight: 513.38

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	(1S,3R,5R)-PIM447 (dihydrochloride) is an inhibitor of PIM with IC ₅₀ values of 0.095 μM for Pim1, 0.522 μM for Pim2, and 0.369 μM for Pim3.
Targets(IC ₅₀)	CDK,Pim

Solubility Information

Solubility	DMSO: 33.33 mg/mL (64.92 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 (3.9 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	1.9479 mL	9.7394 mL	19.4787 mL
5 mM	0.3896 mL	1.9479 mL	3.8957 mL
10 mM	0.1948 mL	0.9739 mL	1.9479 mL
50 mM	0.039 mL	0.1948 mL	0.3896 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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