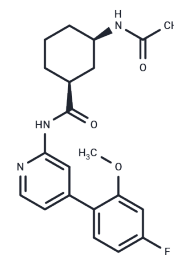


AZ5576

Chemical Properties

CAS No. : 2751721-40-9
 Formula: C₂₁H₂₄FN₃O₃
 Molecular Weight: 385.43
 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	AZ5576, a potent and highly selective CDK9 inhibitor, can be used for research on Hematological Malignancy [1].
Targets(IC50)	Apoptosis,CDK

Solubility Information

Solubility	DMSO: 45 mg/mL (116.75 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 (5.19 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	2.5945 mL	12.9725 mL	25.945 mL
5 mM	0.5189 mL	2.5945 mL	5.189 mL
10 mM	0.2595 mL	1.2973 mL	2.5945 mL
50 mM	0.0519 mL	0.2595 mL	0.5189 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

Bernard Barlaam, et al. Discovery of AZD4573, a Potent and Selective Inhibitor of CDK9 That Enables Short Duration of Target Engagement for the Treatment of Hematological Malignancies.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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