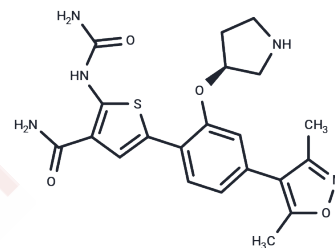


AZD3264

Chemical Properties

CAS No. : 1609281-86-8
 Formula: C₂₁H₂₃N₅O₄S
 Molecular Weight: 441.5
 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	AZD3264 is a new type IKK2 inhibitor.
Targets(IC50)	IκB/IKK
In vitro	AZD3264, by inhibiting IKK2, prevents inflammatory conditions such as asthma, chronic pulmonary obstructive disorder (COPD) and rheumatoid arthritis. [1]

Solubility Information

Solubility	Ethanol: 2 mg/mL (4.53 mM), Heating is recommended. DMSO: 82 mg/mL (185.73 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (7.47 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	2.265 mL	11.325 mL	22.6501 mL
5 mM	0.453 mL	2.265 mL	4.530 mL
10 mM	0.2265 mL	1.1325 mL	2.265 mL
50 mM	0.0453 mL	0.2265 mL	0.453 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

Murugan A, et al. Org. Process Res. Dev. 2014, 18, 646–651.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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