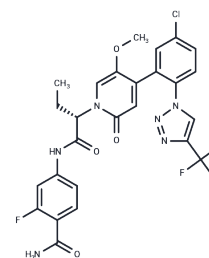


Asundexian

Chemical Properties

CAS No. :	2064121-65-7
Formula:	C ₂₆ H ₂₁ ClF ₄ N ₆ O ₄
Molecular Weight:	592.93
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Asundexian (BAY-2433334) is a potent and orally active inhibitor of the coagulation factor FXIa that directly and reversibly binds to the active site of FXIa, thereby inhibiting its activity. Asundexian has an IC ₅₀ of 1 nM for human FXIa in buffer. Asundexian has antitumor activity and may be useful in studies of Acute ischemic stroke, transient ischemic attack and ischemic stroke.
Targets(IC ₅₀)	Factor Xa
In vivo	Asundexian displays potent anticoagulant activity in vitro in human and rabbit plasma and antithrombotic efficacy in vivo in a rabbit arterial thrombosis model.[1]

Solubility Information

Solubility	DMSO: 150 mg/mL (252.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6865 mL	8.4327 mL	16.8654 mL
5 mM	0.3373 mL	1.6865 mL	3.3731 mL
10 mM	0.1687 mL	0.8433 mL	1.6865 mL
50 mM	0.0337 mL	0.1687 mL	0.3373 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

Thomas D, et al. First evaluation of the safety, pharmacokinetics, and pharmacodynamics of BAY 2433334, a small molecule targeting coagulation factor XIa. J Thromb Haemost. 2021;19(10):2407-2416.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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