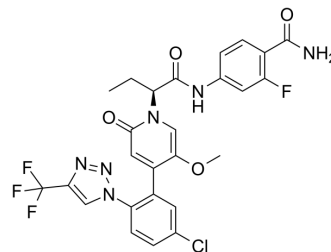


Asundexian

Cat. No.:	HY-137431		
CAS No.:	2064121-65-7		
Molecular Formula:	C ₂₆ H ₂₁ ClF ₄ N ₆ O ₄		
Molecular Weight:	592.93		
Target:	Factor Xa		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 250 mg/mL (421.63 mM)
 * "≥" means soluble, but saturation unknown.

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Asundexian (BAY 2433334) is an orally active coagulation factor X_{IIa} (FX_{IIa}) inhibitor. Asundexian binds directly, potently, and reversibly to the active site of FX_{IIa} and thereby inhibits its activity. Asundexian inhibits human FX_{IIa} in buffer with an IC₅₀ of 1 nM^[1].

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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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