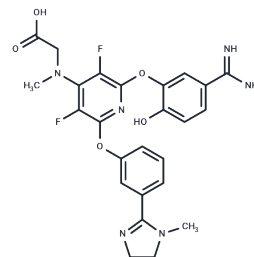


Fidexaban

Chemical Properties

CAS No. :	183305-24-0
Formula:	C ₂₅ H ₂₄ F ₂ N ₆ O ₅
Molecular Weight:	526.49
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	Fidexaban (CI1031) is a novel, potent, selective and orally active factor Xa inhibitor that has demonstrated antithrombotic activity in a variety of assays
Targets(IC50)	Factor Xa
In vitro	Fidexaban (ZK-807834) is a novel, synthetic factor Xa (FXa) inhibitor with a K _i of 0.11 nM against human FXa. In human plasma in vitro, Fidexaban doubled PT and aPTT at 0.23 and 0.49 microM, respectively. Ex vivo plasma anti-FXa activity was also well correlated with plasma concentration of Fidexaban and with PT (r = 0.96 and 0.98, respectively).[2]

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble) DMSO: < 1 mg/mL (insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8994 mL	9.4969 mL	18.9937 mL
5 mM	0.3799 mL	1.8994 mL	3.7987 mL
10 mM	0.1899 mL	0.9497 mL	1.8994 mL
50 mM	0.038 mL	0.1899 mL	0.3799 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

- Remko MR, et al. Theoretical Study of Molecular Structure and Physicochemical Properties of Novel Factor Xa Inhibitors and Dual Factor Xa and Factor IIa Inhibitors. *Molecules*. 2016 Feb 4;21(2).
- Chi L, et al. Assessment of ex vivo pharmacodynamic markers during inhibition of thrombosis by CI-1031 (ZK-807834), a novel direct factor Xa inhibitor. *Pharmacology*. 2002 Feb;64(2):76-83.
- McClanahan TB, et l. The antithrombotic effects of CI-1031 (ZK-807834) and enoxaparin in a canine electrolytic injury model of arterial and venous thrombosis. *Eur J Pharmacol*. 2001 Dec 7;432(2-3):187-94.
- Light DR, et al. Discovery of the factor Xa inhibitor, ZK 807834 (CI-1031). *Curr Top Med Chem*. 2001 Jun;1(2):121-36.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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