

Marstacimab

Chemical Properties

CAS No. : 1985638-39-8

Formula:

Molecular Weight: 142.59 kDa

Storage: Store at low temperature
-20°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Marstacimab (PF-06741086) is a neutralizing antibody that binds to and inhibits inhibitors of the human tissue factor pathway. Marstacimab is an anti-tissue factor pathway inhibitor used in the study of hemophilia.
Targets(IC50)	Others,Thrombin
In vitro	Marstacimab was able to reduce corn trypsin (CT) levels in whole blood samples from hemophiliacs at concentrations of 20, 50 and 100 nmol/L. [1] In an in vitro assay, Marstacimab (16 µg/mL) not only shortened the clotting lag time and increased thrombin generation in human non-hemophilic platelet depleted plasma samples, but also increased peak thrombin in hemophilia A and hemophilia B plasma samples. [2]
In vivo	In a mouse model of acute hemorrhage, Marstacimab administered intravenously at a dose of 0.5 mg/kg had no hemodynamic effects. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0351 mL	0.0701 mL
5 mM	0.0014 mL	0.007 mL	0.014 mL
10 mM	0.0007 mL	0.0035 mL	0.007 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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