

## Osocimab

## Chemical Properties

CAS No. : 2056878-75-0

Formula:

Molecular Weight: 144.46 kDa

Storage: Store at low temperature  
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Osocimab (BAY 1213790) is a potent anti-FXIIa antibody with a $K_i$ value of 2.4 nM and an $EC_{50}$ value of 0.2 nM. Osocimab may reduce thrombosis through FXI inhibition. Osocimab is often used as an XI factor inhibitor, has an inhibitory effect on thrombin generation, has an anticoagulant effect, and is used in the study of thromboembolic diseases. Thromboembolic Diseases
Targets( $IC_{50}$ )	Factor Xa, FXR
In vitro	In human plasma, Osocimab (1.4 nM-1 $\mu$ M; 30 min) demonstrated inhibition of thrombin production, as well as FXIIa-mediated FIX activation (or FIX conversion) with an $IC_{50}$ of 16 nM and FXIIa-mediated substrate cleavage with an $IC_{50}$ of 1.2 nM [1]. Osocimab, at a concentration of 22.05 mg/mL, inhibited activation of the intrinsic pathway-mediated coagulation cascade [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0692 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0035 mL	0.0069 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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