

Product Data Sheet

Product Name: Osocimab

Cat. No.: GC72438

Chemical Properties

Cas. No. 2056878-75-0

Formula

M.Wt

Solubility

Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available sizes: ship with RT, or blue ice upon request.

Structure

Osocimab

Background

Osocimab (BAY 1213790), an anti-FXIIa antibody ($K_i=2.4$ nM; $EC_{50}=0.2$ nM). FXII inhibition may reduce the risk of thrombosis. Osocimab inhibits thrombin generation, and prolongs activated partial thromboplastin time. Osocimab exhibits anticoagulant effects.

Osocimab (1.4 nM-1 μ M; 30 min) inhibits thrombin generation, and also inhibits FXIIa-mediated activation of FIX (FIX conversion) ($IC_{50}=16$ nM) and FXIIa mediated substrate cleavage ($IC_{50}=1.2$ nM) in human plasma^[1].

Osocimab (22.05 mg/mL) inhibits intrinsic pathway-mediated activation of the coagulation cascade^[1].

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

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References:

[1]. Schaefer M, et al. Allosteric Inhibition as a New Mode of Action for BAY 1213790, a Neutralizing Antibody Targeting the Activated Form of Coagulation Factor XI. J Mol Biol. 2019 Dec 6;431(24):4817-4833.

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