

Inclacumab

Chemical Properties

CAS No. : 1256258-86-2

Formula:

Molecular Weight: 145.45 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Inclacumab (Anti-Human selectin P Recombinant Antibody) is a fully humanized IgG4 monoclonal antibody that selectively binds to P-selectin. Inclacumab inhibits platelet leukocyte aggregation induced by thrombin receptor-activating peptide (TRAP) or adenosine diphosphate (ADP). Inclacumab inhibits platelet leukocyte aggregation induced by thrombin receptor activating peptide (TRAP) or adenosine diphosphate (ADP).
Targets(IC50)	Others
In vitro	Inclacumab acted in the concentration range of 0.4-40 µg/mL for 5 min and significantly inhibited P-selectin-mediated adhesion to whole blood and isolated leukocytes, with a more pronounced inhibitory effect on the latter. [1] Inclacumab had a high affinity for P-selectin with a dissociation constant (Kd) of 9.9 nM. it also effectively blocked PSGL-1 mimetic peptide binding to P-selectin with an IC50 of 1.9 µg/mL and inhibited PSGL-1-positive cell adhesion to P-selectin with an IC50 of 430 ng/mL. [2] In addition, Inclacumab dose-dependently reduced TRAP-induced platelet-leukocyte aggregation in the concentration range of 0-100 µg/mL with an IC50 of 1.4 µg/mL. [3]
In vivo	Inclacumab administered as a single subcutaneous dose of 4 mg/kg attenuated TRAP- and ADP-induced platelet activation (PLA) in cynomolgus monkeys. In addition, weekly intravenous doses ranging from 2 to 50 mg/kg for 13 weeks effectively inhibited TRAP-induced platelet activation in this species. [3]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0688 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0034 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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