

Tixagevimab

Chemical Properties

CAS No. : 2420564-02-7

Formula:

Molecular Weight: 146.48 kDa

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tixagevimab (AZD8895) is a humanized monoclonal antibody targeting the spike protein of SARS-CoV-2, with antiviral activity. It works by binding to the RBD and S protein domain, blocking the interaction with receptors.
Targets(IC50)	SARS-CoV
In vivo	Tixagevimab can be combined with Cilgavimab to form AZD7442, AZD7442 (2,4 or 16 mg/kg, intravenously) in hamsters infected with the G61 strain and Omicron variant, resulted in a dose-dependent decrease in lung infection titers and viral RNA levels in hamsters, and the infection titer at 16 mg/kg was significantly lower than that at 2 mg/kg. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0683 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 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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