

Zanolimumab

Chemical Properties

CAS No. :	652153-01-0
Formula:	
Molecular Weight:	143.81 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Zanolimumab is a humanised monoclonal antibody targeting CD4, exhibiting cytotoxic and antiproliferative properties. By binding to the CD4 molecule and blocking T cell receptor (TCR) signalling, it is used in the treatment of autoimmune diseases such as rheumatoid arthritis, psoriasis, and T-cell lymphoma.
Targets(IC50)	gp120/CD4
In vitro	<p>Methods: To evaluate the ability of Zanolimumab to induce antibody-dependent cell-mediated cytotoxicity (ADCC) via natural killer (NK) cells, we conducted in vitro cytotoxicity assays using NK cells as effector cells and CD4⁺ T cells as target cells.</p> <p>Results: We found that Zanolimumab was highly effective in promoting the killing of CD4⁺ T cells, inducing significant specific lysis at a concentration of 10ng/mL. Moreover, at both 10 and 100ng/mL, Zanolimumab showed a stronger cytotoxic effect on the CD45RO⁺ subset than on the CD45RA⁺ subset.[1]</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0348 mL	0.0695 mL
5 mM	0.0014 mL	0.007 mL	0.0139 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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