

Zalifrelimab

Chemical Properties

CAS No. : 2148321-69-9

Formula:

Molecular Weight: 144.32 KDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Zalifrelimab (AGEN1884) is a fully human IgG1 monoclonal antibody that targets cytotoxic T-lymphocyte-associated protein 4 (CTLA-4) and antagonizes CTLA-4-mediated inhibitory immune checkpoints, thereby enhancing immune cell activation, Zalifrelimab is widely used in immuno-oncology research to study immune checkpoint blockade and antitumor immune responses.
Targets(IC50)	Immunology/Inflammation related
In vitro	In functional assays, Zalifrelimab inhibited the interaction between CTLA-4 and CD80/CD86, increasing antigen-specific T-cell reactivity within a concentration range of 0.1 to 100 µg/mL [1].
In vivo	In Cynomolgus macaques, intravenous (i.v.) administration of Zalifrelimab (10 mg/kg, given on days 1 and 29) was evaluated for tolerance and immunological response. The treatment enhanced vaccine-mediated antigen-specific immune responses in this model. In research involving patients with recurrent or metastatic cervical cancer, the combination of Zalifrelimab and Balstilimab (anti-PD-1) exhibited antitumor activity, characterized by durable responses in the target populations [1][2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0693 mL
5 mM	0.0014 mL	0.0069 mL	0.0139 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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