

Ligufalimab

Chemical Properties

CAS No. : 2428381-55-7

Formula:

Molecular Weight: 144.56 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Ligufalimab (AK 117) is a humanized IgG4 monoclonal antibody that targets CD47 without inducing red blood cell hemagglutination. Ligufalimab enhances phagocytosis and demonstrates significant antitumor activity. Due to its safety and activity profile, Ligufalimab is considered a promising therapeutic antibody candidate in oncology research.
Targets(IC50)	Others, Interleukin
In vitro	Methods: Raji, Jurkat, and Ramos cells were treated with Ligufalimab (0.1, 1, 10 µg/mL). Fluorescence microscopy and flow cytometry were used to detect Ligufalimab's promotion of macrophage-mediated tumor cell phagocytosis. Results: Ligufalimab induced phagocytosis of Raji, Jurkat, and Ramos cells in a dose-dependent manner. [1]
In vivo	Methods: Ligufalimab was intravenously administered at doses of 0.1 mg/kg and 1 mg/kg in Raji mouse xenograft tumor models, and at a dose of 0.2 mg/kg in MDA-MB-231 mouse xenograft tumor models to evaluate its antitumor efficacy. Results: Ligufalimab demonstrated significant antitumor activity in both Raji and MDA-MB-231 xenograft tumor models without causing obvious body weight loss. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0692 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 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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