

Letolizumab

Chemical Properties

CAS No. :	1450981-87-9
Formula:	
Molecular Weight:	38.99 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	Letolizumab (BMS-986004) is a dimeric antibody targeting CD40L for the expression of mutant IgG1 that lacks effector functions including Fc binding and complement binding. 1 Letolizumab does not induce platelet activation in vitro and does not affect coagulation factors or platelet counts/function after repeated dosing in non-human primates.
Targets(IC50)	Immunology/Inflammation related,TNF
In vitro	Letolizumab inhibited the viability of CD40L trimer and CHO-CD40L in human B-cells and in non-human primate B-cells with IC50 values of 3.6 nM and 1.3 nM, and 3.8 nM and 7.3 nM, respectively. [2]
In vivo	Letolizumab treatment at doses of 2, 10, and 20 mg/kg administered intravenously once a week for 10 weeks significantly prolonged the survival time of rhesus monkeys after kidney transplantation. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0256 mL	0.1282 mL	0.2565 mL
5 mM	0.0051 mL	0.0256 mL	0.0513 mL
10 mM	0.0026 mL	0.0128 mL	0.0256 mL
50 mM	0.0005 mL	0.0026 mL	0.0051 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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