

Bleselumab

Chemical Properties

CAS No. : 1453067-91-8

Formula:

Molecular Weight: 144.16 kDa

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Bleselumab (ASKP 1240) is a humanised monoclonal antibody targeting CD40, characterised by high affinity ($K_d = 0.24$ nM), blocking the interaction between CD40 and its ligand CD40L and inhibiting immune responses, and is indicated for the prevention of organ transplant rejection.
Targets(IC50)	TNF
In vitro	Methods: Peripheral blood mononuclear cells (PBMCs) from humans, cynomolgus monkeys, and rabbits were treated with Bleselumab at concentrations ranging from 0 to 1 μ g/mL for 48 hours to evaluate its inhibitory effect on shCD154-induced PBMC proliferation. Results: Bleselumab effectively inhibited shCD154-induced PBMC proliferation in human, cynomolgus monkey, and rabbit samples within the 0-1 μ g/mL concentration range.[2]
In vivo	Methods: In a cynomolgus monkey model, Bleselumab was administered via intravenous injection at doses of 0.1, 1, and 10mg/kg to evaluate its effect on immune responses.[2] Results: Bleselumab inhibited the production of anti-TTx IgG and IgM in a concentration-dependent manner.[2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0347 mL	0.0694 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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