

Toripalimab

Chemical Properties

CAS No. :	1924598-82-2
Formula:	
Molecular Weight:	147.29 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	Actual storage temperature shall be subject to the COA.

Biological Description

Description	Toripalimab is a recombinant, humanized immunoglobulin G4 (IgG4) monoclonal antibody that specifically targets and blocks the programmed cell death protein 1 (PD-1) immune checkpoint receptor, thereby acting as an immune checkpoint inhibitor used in clinical research for the investigation of advanced or metastatic malignancies, most notably nasopharyngeal carcinoma.
Targets(IC50)	PD-1/PD-L1
In vivo	Methods: Toripalimab (0.3-10 mg/kg, intraperitoneal injection, twice a week, 6 times) was used to treat transgenic mice with human PD-1 knockout, and its therapeutic effect on tumors in mice was observed. Results: In the 1, 3, and 10 mg/kg treatment groups, tumor growth inhibition was observed in a dose-dependent manner, demonstrating significant anti-tumor efficacy. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0339 mL	0.0679 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 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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