

Ezabenlimab

Chemical Properties

CAS No. :	2249882-54-8
Formula:	
Molecular Weight:	145.21 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	Ezabenlimab (BI-754091) is a humanized monoclonal antibody targeting programmed cell death protein-1 with antitumor activity that blocks the interaction of PD-1 with PD-L1 and PD-L2, inhibits tumor growth in vivo, and can be used to study advanced solid tumors.
Targets(IC50)	PD-1/PD-L1
In vitro	Ezabenlimab inhibited the interaction of PD-1 with PD-L1 and PD-L2 in CHO cells with IC90 of 4.14 nM and 3.98 nM, respectively; it also inhibited the interaction of PD-1 with PD-L1 and PD-L2 in cynomolgus Monkeys with IC90 of 5.61 nM and 7.54 nM, respectively. In addition, Ezabenlimab was able to increase IFN- γ secretion in CD3-positive T cells after primary human antigen stimulation, with an EC50 of 0.9 nM. In combination with BI 754111, 200 nM Ezabenlimab enhanced IFN- γ secretion. [1]
In vivo	In the hPD-1 knock-in mouse model, intraperitoneal injection of 0.3-30 mg/kg Ezabenlimab, single or twice a week or every 3 weeks, inhibited tumor progression and demonstrated significant antitumor activity. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0689 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0034 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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