

Enoblituzumab

Chemical Properties

CAS No. :	1353485-38-7
Formula:	
Molecular Weight:	145.81 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	Actual storage temperature shall be subject to the COA.

Biological Description

Description	Enoblituzumab is a humanized IgG1 κmab monoclonal antibody that recognizes human B7-H3 protein and can be used to study solid tumors such as non-small cell lung cancer (NSCLC).
Targets(IC50)	Others, Immunology/Inflammation related, B7
In vitro	Enoblituzumab interacts with B7-H3, resulting in potent antibody-dependent cellular cytotoxicity (ADCC) across a broad range of cancer cells[2]. It effectively mediates ADCC against A498 cells at concentrations ranging from 0.01 ng/mL to 10 mg/mL using cynomolgus monkey peripheral blood mononuclear cells (PBMCs)[3].
In vivo	In mice (mCD16-/-hCD16A+) with murine CD16 gene knocked out and transgenic for human CD16A-158F, enoblituzumab (5 mg/kg; i.v.; single dose) exhibits an estimated half-life of 249 hours with a Cmax of 43 mg/mL[3]. Exhibiting potent antitumor activity in xenograft mice models of renal cell and bladder carcinoma expressing B7-H3, enoblituzumab (0.1-10 mg/kg; i.v.; once weekly; 5 weeks) shows this effect[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0343 mL	0.0686 mL
5 mM	0.0014 mL	0.0069 mL	0.0137 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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