

Inebilizumab

Chemical Properties

CAS No. : 1299440-37-1

Formula:

Molecular Weight: 146.60 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Inebilizumab is a humanized anti-CD19 monoclonal antibody with enhanced antibody-dependent cell-mediated cytotoxicity against B cells. Inebilizumab can be used to treat a range of autoimmune diseases associated with CD19 B cells, such as multiple sclerosis and optic neuromyelitis.
Targets(IC50)	ADC Antibody,Immunology/Inflammation related
In vitro	Derived from the mouse anti-human mAb HB12b, Inebilizumab had already shown impressive activity in depleting B cells in transgenic mice carrying the human CD19 gene (hCD19 Tg)[1]. Inebilizumab potently depletes CD19-expressing B cells, including primary human B cells, B cell lines derived from multiple tumor types, and neoplastic B cells[1]. Inebilizumab demonstrates equal or better activity than Rituximab in depleting human primary B cells in autologous ADCC assays and shows potent ADCC activity against human in vitro-differentiated and primary plasma cells[1].
In vivo	In vivo, Inebilizumab (MEDI-551) (i.v.; once; 0-10 mg/kg) depletes B cells from blood and spleen by mouse macrophages, and it induces phagocytosis of murine B cells ex vivo[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0682 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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