

Lucatumumab

Chemical Properties

CAS No. :	903512-50-5
Formula:	
Molecular Weight:	146.15 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	Lucatumumab (HCD122) is a fully human anti-CD40 monoclonal antibody with antitumor activity that blocks the interaction of CD40L with CD40 and inhibits the CD40/CD40L-mediated signaling pathway for the study of chronic lymphocytic leukemia (CLL) and multiple myeloma.
Targets(IC50)	TNF
In vitro	Lucatumumab (0.001-10 µg/mL; 4 hours) lysed B-cell chronic lymphocytic leukemia (B-CLL) cells by antibody-dependent cell-mediated cytotoxicity (ADCC) action, achieving a mean maximum lysis rate of 49%. [1] Lucatumumab (0.1-10 µg/mL; 3 days) was able to decrease CD40L-induced signaling and reduce B-CLL cell viability. [1] Lucatumumab (10 µg/mL; 24 hours) is able to inhibit cytokine secretion by B-CLL cells. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0684 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 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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