

## Vilobelimab

## Chemical Properties

CAS No. :	2250440-41-4
Formula:	
Molecular Weight:	145.86 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	Vilobelimab (CaCP-29) is a human-mouse chimeric IgG antibody targeting human complement component 5a, a C5a inhibitor that inhibits neutrophil activation, and can be used for the study of systemic inflammation caused by SARS-CoV-2 infection.
Targets(IC50)	Complement System,SARS-CoV
In vitro	Vilobelimab selectively neutralizes C5a in a dose-dependent manner without preventing the formation of membrane-attacking complexes and has not raised significant safety concerns in certain clinical studies in patients with severe sepsis and septic shock. [1]

## 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481