

Romlusevimab

Chemical Properties

CAS No. :	2509447-08-7
Formula:	
Molecular Weight:	143.4 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	Actual storage temperature shall be subject to the COA.

Biological Description

Description	Romlusevimab (BRII-198) is a recombinant antibody targeting the spike protein of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), with antiviral activity, used for research on COVID-19 infection.
Targets(IC50)	SARS-CoV
In vitro	Romlusevimab showed a high binding affinity for RBD with an equilibrium dissociation constant (KD) of 0.56 nM. The mixture of Amubarvimab and Romlusevimab blocks the binding of human ACE2 receptor to RBD, IC50 = 16.36 nM. The neutralizing activity of Romlusevimab against Neut99 was 2.50 µg/mL. [1]
In vivo	Amubarvimab and Romlusevimab at a 1:1 mixture of 10 mg/kg or 50 mg/kg intritoneally injected into hamsters showed potent activity against SARS-CoV-2. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0349 mL	0.0697 mL
5 mM	0.0014 mL	0.007 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.007 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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