

Gontivimab

Chemical Properties

CAS No. :	1257358-38-5
Formula:	
Molecular Weight:	42.14 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	Actual storage temperature shall be subject to the COA.

Biological Description

Description	Gontivimab (ALX-0171) is a trivalent nanobody targeting the hRSV fusion (F) protein with anti-RSV antiviral properties for the study of respiratory syncytial virus infections.
Targets(IC50)	RSV
In vitro	Gontivimab (0-100,000 nM) exhibited antiviral effects with IC50 values of 0.1 nM and 0.4 nM against RSV-A and RSV-B 18537 strains, respectively.[1] Gontivimab binds to antigenic site II of the F protein.[1] Gontivimab binds to antigenic site II of the F protein.[1]
In vivo	Gontivimab (1-68 mg/kg; administered intranasally or by nebulization) reduces RSV load in the nasal cavity and lungs of rats.[1] Gontivimab has been shown to reduce RSV load in the nasal cavity and lungs of rats. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0237 mL	0.1187 mL	0.2373 mL
5 mM	0.0047 mL	0.0237 mL	0.0475 mL
10 mM	0.0024 mL	0.0119 mL	0.0237 mL
50 mM	0.0005 mL	0.0024 mL	0.0047 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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