

Alunacedase alfa

Chemical Properties

CAS No. :	2416824-55-8
Formula:	
Molecular Weight:	85.03 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	Alunacedase alfa (APN-01) is a soluble angiotensin-converting enzyme 2 (hrsACE2) with antiviral activity that reduces the competitive entry of SARS-CoV-2 into cell membranes bound to ACE2. Alunacedase alfa mimics ACE2 in vivo and can be used to study novel coronavirus infections, pulmonary hypertension and acute lung injury. Alunacedase alfa mimics ACE2 in vivo and can be used to study novel coronavirus infections, pulmonary hypertension and acute lung injury.
Targets(IC50)	RAAS
In vitro	Alunacedase alfa exhibits high-affinity binding to the SARS-CoV-2 spike glycoprotein, with an estimated affinity of roughly 1.2 nM. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0118 mL	0.0588 mL	0.1176 mL
5 mM	0.0024 mL	0.0118 mL	0.0235 mL
10 mM	0.0012 mL	0.0059 mL	0.0118 mL
50 mM	0.0002 mL	0.0012 mL	0.0024 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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