

## Adintrevimab

## Chemical Properties

CAS No. : 2516243-54-0

Formula:

Molecular Weight:

Storage: Store at low temperature  
Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Adintrevimab is an engineered human IgG1 monoclonal antibody, which targets the conserved epitope in the receptor binding domain (RBD) of spike protein of SARS-like coronavirus, thus blocking its binding with ACE2 receptor and playing a broad-spectrum neutralization role. Adintrevimab has strong activity against many SARS-CoV-2 variants, but its neutralizing ability is obviously decreased in some Omicron subtypes.
Targets(IC50)	SARS-CoV
In vitro	In vitro, Adintrevimab demonstrates potent neutralization against SARS-CoV-2 variants (Alpha to Delta) by binding a conserved RBD epitope, though it shows diminished activity against Omicron BA.1 and lacks activity against BA.2-BA.5 sub-lineages [1].
In vivo	In prophylactic studies using Syrian golden hamsters (5-6-week-old females) infected with SARS-CoV-2/WA1/2020, single intraperitoneal administration of Adintrevimab (9.25 to 2,000 µg, approx. 0.1 to 20 mg/kg) provided dose-dependent protection, significantly reducing lung viral load and alleviating virus-induced lung pathology [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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