

Product Data Sheet

Product Name: Etesevimab

Cat. No.: GC72372

Chemical Properties

Cas. No. 2423948-94-9

Formula

M.Wt

Solubility

Storage

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Etesevimab

Background

Etesevimab (JS016) is a recombinant neutralizing human IgG1 anti-SARS-CoV-2 monoclonal antibody.

Etesevimab (JS016) binds the spike protein with a K_d of 6.45 nM and blocks spike protein attachment to the human angiotensin converting enzyme 2 (ACE2) receptor with an IC_{50} value of 0.32 nM (0.046 μ g/mL)^[1].

Etesevimab blocks viral cell fusion to prevent SARS-CoV-2 invasion of human cells and inhibits viral replication^[1].

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Wu X, et al. Tolerability, Safety, Pharmacokinetics, and Immunogenicity of a Novel SARS-CoV-2 Neutralizing Antibody, Etesevimab, in Chinese Healthy Adults: a Randomized, Double-Blind, Placebo-Controlled, First-in-Human Phase 1 Study. Antimicrob Agents Chemother. 2021 Jul 16;65(8):e0035021.

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