

Product Data Sheet

Product Name: Tixagevimab

Cat. No.: GC72404

Chemical Properties

Cas. No. 2420564-02-7

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

Tixagevimab

Background

Tixagevimab (AZD8895) is a human monoclonal antibody that targets the SARS-CoV-2 receptor binding domain (RBD). It exhibits neutralizing activity against SARS-CoV-2 by binding to the RBD and the S-glycoprotein ectodomain and blocking S-glycoprotein-mediated binding to the receptor.

Tixagevimab can be combined with Cilgavimab to form AZD7442. AZD7442 (2, 4 or 16 mg/kg, i.v.)

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

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results in a dose-dependent decrease in lung infection titres and viral RNA levels and a significant reduction in infection titers at the 16 mg/kg dose compared to animals at the 2 mg/kg dose in hamsters infected with strain G614 or in hamsters infected with the Omicron variant^[2].

References:

- [1]. Jinhui Dong, et al. Genetic and structural basis for SARS-CoV-2 variant neutralization by a two-antibody cocktail. Nat Microbiol. 2021 Oct;6(10):1233-1244.
- [2]. Jean-Sélim DRIOUICH, et al. Activity of Tixagevimab/Cilgavimab against the Omicron variant of SARS-CoV-2 in a hamster model.

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