

Product Data Sheet

Product Name: Fiztasovimab

Cat. No.: GC74547

Chemical Properties

Cas. No. 2467411-25-0

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

Fiztasovimab

Background

Fiztasovimab (NPC-21; EV2038) is a fully human IgG1 λ mAb against human cytomegalovirus (hCMV). Fiztasovimab acts neutralizing activity by binding to the antigenic domain 1 of glycoprotein B on hCMV envelope. Fiztasovimab inhibits cell-to-cell transmission of hCMV.

Fiztasovimab is isolated from Epstein-Barr virus-transformed peripheral B cells of a health donor[1].

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

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Fiztasovimab has a broadly neutralizing activity against 4 laboratory strains (AD169, Towne, Davis, Merlin) and 42 Japanese clinical isolates, which included GCV-resistant isolates[1]. Fiztasovimab shows anti-hMCV activities in MRC-5 human embryonic fibroblast cells and human adult retinal pigment epithelial cells with IC50s of 13-105 ng/mL and IC90s of 0.208-1.026 µg/mL[1]. Fiztasovimab also inhibits cell-to-cell infection by hCMV isolates in adult retinal pigment epithelial cells with IC90s of 13-19 µg/mL[1].

References:

[1]. Furihata K, et al. Pharmacokinetics, Safety, and Tolerability of NPC-21, an Anti-Cytomegalovirus Monoclonal Antibody, in Healthy Japanese and White Adult Men: A Randomized, Placebo-Controlled, First-in-Human Phase 1 Study. Clin Pharmacol Drug Dev. 2022 Jun;11(6):707-716.

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