

Product Data Sheet

Product Name: Vilobelimab

Cat. No.: GC72402

Chemical Properties

Cas. No. 2250440-41-4

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

Vilobelimab

Background

Vilobelimab (CaCP-29, IFX-1) is a monoclonal anti-C5a antibody to the allergen C5a, a pro-inflammatory complement division product that plays a central role in mediating organ dysfunction. Vilobelimab acts as a C5a inhibitor, inhibiting neutrophil activation, chemotaxis, and reducing inflammatory signalling, and may be used in studies related to sepsis, COVID-19, etc.

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

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Vilobelimab selectively neutralises C5a in a dose-dependent manner without blocking the formation of the membrane attack complex and without leading to detectable safety concerns In certain clinical studies of patients suffering from severe sepsis and septic shock^[1].

References:

[1]. Michael Bauer, et al. Efficacy and Safety of Vilobelimab (IFX-1), a Novel Monoclonal Anti-C5a Antibody, in Patients With Early Severe Sepsis or Septic Shock-A Randomized, Placebo-Controlled, Double-Blind, Multicenter, Phase IIa Trial (SCIENS Study). Crit Care Explor. 2021 Nov 17;3(11):e0577.

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