

Product Data Sheet

Product Name: Suvratoxumab

Cat. No.: GC72409

Chemical Properties

Cas. No. 1629620-18-3

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

Suvratoxumab

Background

Suvratoxumab (MEDI4893) is a long-acting, high-affinity human anti- α -toxin monoclonal antibody (IgG1 κ type). Suvratoxumab potently neutralizes α -toxin, a key *S. aureus* virulence factor. Suvratoxumab improves survival and reduces lung injury in an immunocompromised mice model of pneumonia. Suvratoxumab also enhances the antibacterial activity of Vancomycin or Linezolid .

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

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Suvratoxumab (5, 15, 45 mg/kg; i.p.; single) increases survival rates in an immunocompromised murine pneumonia model^[1].

Suvratoxumab (15 mg/kg; i.p.; single) prophylaxis reduces pulmonary damage and increases macrophage phagocytosis in mice^[1].

Suvratoxumab (15 mg/kg; i.p.; single) prophylaxis improves the effectiveness of antibiotic (vancomycin or linezolid) treatment in mice^[1].

References:

- [1]. Hua L, et al. MEDI4893* Promotes Survival and Extends the Antibiotic Treatment Window in a Staphylococcus aureus Immunocompromised Pneumonia Model. Antimicrob Agents Chemother. 2015 Aug;59(8):4526-32.
- [2]. Yu XQ, et al. Safety, Tolerability, and Pharmacokinetics of MEDI4893, an Investigational, Extended-Half-Life, Anti-Staphylococcus aureus Alpha-Toxin Human Monoclonal Antibody, in Healthy Adults. Antimicrob Agents Chemother. 2016 Dec 27;61(1):e01020-16.
- [3]. Oganessian V, et al. Mechanisms of neutralization of a human anti- α -toxin antibody. J Biol Chem. 2014 Oct 24;289(43):29874-80.

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