

Product Data Sheet

Product Name: Raxibacumab

Cat. No.: GC72405

Chemical Properties

Cas. No. 565451-13-0

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

Raxibacumab

Background

Raxibacumab (ABthrax) is a human IgG1 monoclonal antibody against Bacillus anthracis protective antigen (PA). Raxibacumab blocks the toxin's deleterious effects by preventing binding of the protective antigen component of the anthrax toxin to its receptors in host cells, thereby blocking the toxin's deleterious effects. Raxibacumab can be used for anti-anthrax research.

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

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Raxibacumab (150 µg/kg or 300 µg/kg for i.v., single dose) significantly improved in outcome when it was administered up to 6 h after rats initial exposure to *Bacillus anthracis* lethal toxin (LeTx) infusion^[3].

References:

- [1]. Mazumdar S. Raxibacumab. MAbs.2009 Nov-Dec;1(6):531-8.
- [2]. Kummerfeldt CE. Raxibacumab: potential role in the treatment of inhalational anthrax. Infect Drug Resist. 2014 Apr 29;7:101-9.
- [3]. Cui X, et.al. Late treatment with a protective antigen-directed monoclonal antibody improves hemodynamic function and survival in a lethal toxin-infused rat model of anthrax sepsis. J Infect Dis. 2005 Feb 1;191(3):422-34.

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