

Tosatoxumab

Cat. No.:	HY-P99551
CAS No.:	1374419-41-6
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Tosatoxumab (AR-301; KBSA301) is a human immunoglobulin G1 monoclonal antibody that specifically neutralizes alpha-toxin (alpha-hemolysin; Hla) of *S. aureus*. Tosatoxumab binds to an N-terminal epitope of alpha-toxin, thereby preventing functional toxin pore oligomerisation. Tosatoxumab has the potential for passive immunotherapy in the *S. aureus* pneumonia as an adjunctive therapy to standard antibiotic agent^{[1][2]}.

REFERENCES

- [1]. Bruno François, et al. Safety and tolerability of a single administration of AR-301, a human monoclonal antibody, in ICU patients with severe pneumonia caused by *Staphylococcus aureus*: first-in-human trial. *Intensive Care Med.* 2018 Nov;44(11):1787-1796.
- [2]. Philippe Vignon, et al. New Agents in Development for Sepsis: Any Reason for Hope? *Drugs.* 2020 Nov;80(17):1751-1761.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA