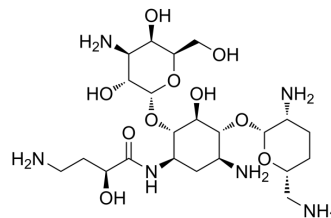


Arbekacin

Cat. No.:	HY-B2094
CAS No.:	51025-85-5
Molecular Formula:	C ₂₂ H ₄₄ N ₆ O ₁₀
Molecular Weight:	552.62
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Arbekacin, an aminoglycoside antibiotic, exhibits broad antimicrobial activities against not only Gram-positive bacteria but also Gram-negative bacteria ^[1] .
In Vitro	Arbekacin potently inhibits <i>Acinetobacter baumannii</i> . (MIC ₅₀ =2 µg/mL) and Enterobacteriaceae from PHP (MIC ₅₀ =0.25-2 µg/mL; MIC ₉₀ =1-8 µg/mL) ^[1] . Arbekacin also inhibits worldwide well-characterized MDR Gram-negative and MRSA strains ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Matsumoto T. Arbekacin: another novel agent for treating infections due to methicillin-resistant *Staphylococcus aureus* and multidrug-resistant Gram-negative pathogens. *Clin Pharmacol*. 2014 Sep 26;6:139-48.
- [2]. Sader HS, et al. Arbekacin activity against contemporary clinical bacteria isolated from patients hospitalized with pneumonia. *Antimicrob Agents Chemother*. 2015;59(6):3263-70.

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