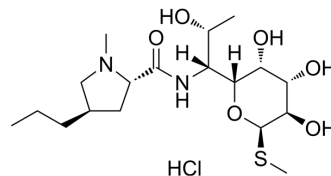


Lincomycin hydrochloride

Cat. No.:	HY-B0417A
CAS No.:	859-18-7
Molecular Formula:	C ₁₈ H ₃₅ ClN ₂ O ₆ S
Molecular Weight:	443
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Lincomycin Hydrochloride(U10149A) is an antibiotic produced by *Streptomyces lincolnensis* var. *lincolnensis*. Target: Antibacterial Lincomycin hydrochloride is a systemic antibiotic, which is active against most common gram positive bacteria. It has proved to be excellent for infectious diseases like acne, anthrax, pneumonia, and also for the treatment of furunculosis, carbuncles, impetigo, burns and wounds, carrying to gram positive bacteria. Lincomycin hydrochloride inhibits cell growth and microbial protein synthesis, by interacting strongly and specifically with the 50S ribosomal subunit, at mutually related sites [1-3].

CUSTOMER VALIDATION

- Chemosphere. 2019 Jun;225:378-387.
- Microb Biotechnol. 2021 Mar 15.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Griaznova, N.S., et al., [Effect of lincomycin and other protein synthesis inhibitors on the metabolism of *Actinomyces roseolus*, a producer of lincomycin]. *Antibiotiki*, 1980. 25(4): p. 250-6.
- [2]. Hummel, H., W. Piepersberg, and A. Bock, Analysis of lincomycin resistance mutations in *Escherichia coli*. *Mol Gen Genet*, 1979. 169(3): p. 345-7.
- [3]. Champney, W.S. and C.L. Tober, Specific inhibition of 50S ribosomal subunit formation in *Staphylococcus aureus* cells by 16-membered macrolide, lincosamide, and streptogramin B antibiotics. *Curr Microbiol*, 2000. 41(2): p. 126-35.

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