



LKT Laboratories, Inc.

Lincomycin Hydrochloride Monohydrate

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Product Information

Product ID L3454

CAS No. 7179-49-9

Chemical Name (2S-trans)-Methyl-6,8-dideoxy-6-[[[(1-methyl-4-propyl-2-pyrrolidinyl) carbonyl]-amino]-1-thio-D-erythro- α -D-galacto-octopyranoside hydrochloride monohydrate

Synonym Lincomycin hydrochloride monohydrate, Albiotic, Cillimycin, Lincomix

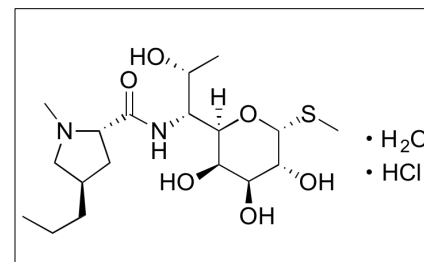
Formula $C_{18}H_{34}N_2O_6S \cdot HCl \cdot H_2O$

Formula Wt. 461.01

Melting Point 156-158°C

Purity $\geq 98\%$

Solubility Soluble in water (50mg/mL).



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
L3454	1 g	\$75.10
L3454	5 g	\$315.40
L3454	25 g	\$826.90

Store Temp 4°C

Ship Temp Ambient

Description Lincomycin is a lincosamide antibiotic found in *Streptomyces*. Lincomycin exhibits antibacterial activity by binding the bacterial 50S ribosome subunit, inhibiting peptidyl transferase, and inducing dissociation of peptidyl-tRNA from the ribosome. Lincomycin also displays anti-parasitic/antimalarial activity against *Plasmodium*.

References Tenson T, Lovmar M, Ehrenberg M. The mechanism of action of macrolides, lincosamides and streptogramin B reveals the nascent peptide exit path in the ribosome. *J Mol Biol.* 2003 Jul 25;330(5):1005-14. PMID: 12860123.

Menninger JR. Mechanism of inhibition of protein synthesis by macrolide and lincosamide antibiotics. *J Basic Clin Physiol Pharmacol.* 1995;6(3-4):229-50. PMID: 8852269.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.