

Product Data Sheet

□ Cat # ABT-170-01
□ Cat # ABT-170-10

Lincomycin, Hydrochloride (Pharma Grade)
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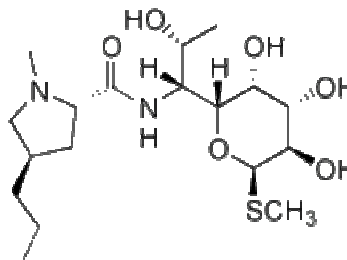
Size: 1 g
Size: 10 g

General Information

Lincomycin is a lincosamide antibiotic that comes from the actinomyces *Streptomyces lincolnensis*. It has been structurally modified by thionyl chloride to its more commonly known 7-chloro-7-deoxy derivative, clindamycin.

Although similar in structure, antibacterial spectrum, and in mechanism of action to macrolides they are also effective against other species as well i.e. actinomycetes, mycoplasma, and some species of *Plasmodium*.

However, because of its adverse effects and toxicity, it is rarely used today and reserved for patients who are either allergic to penicillin or where bacteria has developed resistance.



Molecular Formula:
(C₁₈H₃₄N₂O₆S)
Molecular Weight:
406.538 g/mol

Certificate of Analyses

Lot# 20120412 Exp. 04/2015

Analysis Test	Specification	Results
Description	white crystalline powder	Conform
Identification	Chromogenic reaction	Display purple
Identification	(A)(D) according to BP2002	Conform
Clarity and color of solution	<Y6	Conform
pH	3.0~5.5	4.2
Specific optical rotation	4% (w/v) water solution +135-150o	+145
Lincomycin B	<5%	3.8%
Heavy metal	<5 ppm	Passed
Sulfated Ash	<0.5%	0.1%
Endotoxin	Not >0.5 IU/mg	Conforms
Assay	Anhydrous 82.5-93%	89.1%
Conclusion	QC Passed	

ABT-170-01 130617A

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