

Product Data Sheet

Cat # ABT-240-001
Cat # ABT-240-010

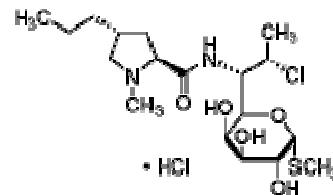
Clindamycin, Hydrochloride (Pharma Grade)
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Size: 100 mg
Size: 1 g

General Information

Clindamycin is a lincosamide antibiotic. It is usually used to treat infections with anaerobic bacteria but can also be used to treat some protozoal diseases, such as malaria. It is a common topical treatment for acne and can be useful against some methicillin-resistant *Staphylococcus aureus* infections.

The most severe common adverse effect of clindamycin is *Clostridium difficile*-associated diarrhea (the most frequent cause of pseudomembranous colitis). Although this side-effect occurs with almost all antibiotics, including beta-lactam antibiotics, it is classically linked to clindamycin use.



Molecular Formula:
 $C_{18}H_{33}ClN_2O_5S \cdot HCl$
Molecular Weight:
461.44 g/mol

Analysis Test	Specification	Results
Description	white crystalline powder	white crystalline powder
Identification IR	Conforms to standard	Conforms
Chromogenic reaction	Display purple	Display purple
Specific optical rotation	+135°~+150°	+143°
Acidity	3.0-5.5	4.75
Melting point(°C)	141°C	141°C
Water	≤6.0%	3.0%
Clarity and color of solution	Should comply	Complies
Solubility	Clear and colorless soln at 50 mg/ml in water	
Residue on ignition	≤0.5%	0.29%
Related substances(dried substance)	7-Epiclindamycin hydrochloride≤2.0%	Complies
	Clindamycin B≤2.0%	
	Other individual impurity≤1.0%	
	Total impurities≤8.0%	
Assay(on dried basis)	≥83.0%	98.0%
Conclusion	The results conform to USP	

ABT-240-001

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