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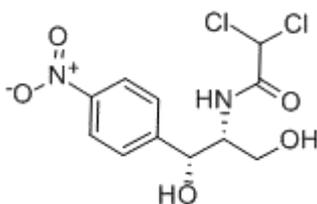
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Technical Data Sheet

Chloramphenicol

Product Information

Chemical Name	Chloramphenicol
CAS #	56-75-7
Formula	C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅
Molecular Weight	323.13
Synonyms	Chloramphenicol



Chemical Structure

Description

White or yellowish green needle crystal. Melting point 150.5-151.5 C (149.7-150.7 C). In a high vacuum can be sublimation. Slightly soluble in water (2.5mg/ml, 25 degrees C), slightly soluble in propylene glycol (150.8mg/ml), soluble in methanol, ethanol, butanol, ethyl acetate, acetone, insoluble in ether, benzene, petroleum ether, vegetable oil. Very bitter taste.

Specification

Items	Specifications	Results
Appearance	White or slightly yellowish white fine crystalline powder or needles	Conforms
Solubility	Conforms	Conforms

Melting point, °C	149.0~153.0	152.0
Specific optical rotation	+18.50°~+21.50°	+19.20°
PH	Conforms	Conforms
Chloride, %	≤0.01	<0.01
Loss on Drying, %	≤0.50	<0.20
Ash content, %	≤0.10	<0.10
Related substance, %	Conforms	Conforms
Assay, %	98.50~102.00	99.90

Applications

1. Is a broad spectrum antibiotic, is the treatment of typhoid fever, the first choice medicine, the treatment of anaerobic bacteria infection, one of the effective drugs, followed by a variety of infectious diseases caused by the treatment of Sensitive microorganisms.
2. Used for the treatment of infection caused by typhoid bacillus, dysentery bacillus, Escherichia coli, influenza bacillus, bacillus, and so on.
3. Antibiotic resistant raw material

Packaging

25kgs /fiber drum

Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

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