

Product Data Sheet

Cat # ABT-200-025

Oxytetracycline, Hydrochloride (Pharma Grade)

Size: 25 g

Cat # ABT-200-100

Oxytetracycline, Hydrochloride (Pharma Grade)

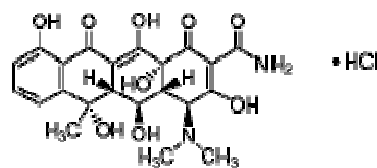
Size: 100 g

General Information

Oxytetracycline works by interfering with the ability of bacteria to produce proteins that are essential to them. Without these proteins the bacteria cannot grow, multiply and increase in numbers.

Oxytetracycline therefore stops the spread of the infection and the remaining bacteria are killed by the immune system or eventually die.

Oxytetracycline is a broad spectrum antibiotic that is active against a wide variety of bacteria. However, some strains of bacteria have developed resistance to this antibiotic, which has reduced its effectiveness for treating some types of infection.



Molecular Formula:
C₂₂H₂₄N₂O₉ · HCl
Molecular Weight:
496.89g/mol

Analysis Test	Specification	Results
Description	yellow crystalline powder	yellow crystalline powder
Identification IR	Conforms to standard	Conforms
Identification UV	Maxim absorption 0.54~0.58 at 353nm	Complies
Chromogenic reaction	Should comply	Complies
Specific optical rotation	-188 ° ~-200 °	-193 °
Acidity	2.3~2.9	2.6
Impurities absorption	≤0.5 at 430nm ≤0.2 at 490nm	Complies
Water	≤2.0%	1.0%
Related substances(dried substance)	Should comply	Complies
Solubility	Clear to slightly hazy yellow to yellow-orange sol'n at 200mg plus 4.0ml of water:ethanol(2:1)	Complies
Assay(on dried basis)	≥88.0%	98%~99%
Conclusion	QC passed.	

ABT-200-025

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