

Pharmaceutical Research: Antibiotics

Antibiotics are a class of medication used to treat bacterial infections. They work by either killing bacteria or inhibiting their growth. Since their discovery, antibiotics have revolutionized medicine, significantly reducing mortality from infectious diseases. However, antibiotic resistance is a growing concern, as overuse and misuse of these drugs can lead to resistant strains of bacteria. It is important to use antibiotics responsibly to preserve their efficacy for future generations.

Types of Antibiotics

- Penicillin
- Amoxicillin
- Tetracycline
- Ciprofloxacin
- Azithromycin

Antibiotic Name	Use Case/Function
Penicillin	Treats bacterial infections
Amoxicillin	Treats ear infections, bronchitis
Tetracycline	Treats acne and skin infections
Ciprofloxacin	Treats urinary tract infections
Azithromycin	Treats respiratory infections