

Ciprofloxacin Hydrochloride Solution (20mg/mL)

Cat #: A-CSH754

Size: 100mL

Storage: -20°C (12 months)

Product Description

Ciprofloxacin Hydrochloride is a highly effective broad-spectrum antibiotic with a CAS number of 85721-33-1 and a molecular weight of 331.35. It exerts its antibacterial activity by inhibiting bacterial DNA gyrase, thereby preventing bacterial replication and rapidly reducing bacterial proliferation. It belongs to the bactericidal type of antibiotics. Ciprofloxacin has a unique mode of action and is different from any other antibiotics except for the quinolone class. Therefore, it exhibits high antibacterial potency against penicillin-resistant strains, cephalosporin-resistant strains, aminoglycoside-resistant strains, and tetracycline-resistant strains. This product is a sterile solution with broad-spectrum antibacterial activity and excellent bactericidal effect against virtually all bacteria. It can be used for in vitro antimicrobial experiments and is primarily intended for use in the field of biological research, not for clinical diagnosis or other purposes.

Usage

The recommended working concentration is 50-100 µg/mL, depending on the specific requirements of the experiment.

Notes

1. Pay attention to aseptic operation to avoid contamination.
2. Avoid repeated freezing and thawing to prevent loss of efficacy.
3. For your safety and health, please wear laboratory attire and disposable gloves when handling

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.