

Timentin

Cat: T8660

Specification: 3.2g

Storage: Store at 2-8°C, and it is valid for 3 years.

Product Information

CAS: 4697-14-7

English name: Timentin

Appearance (Character): White to light yellow powder

Molecular Formula: C₁₅H₁₄N₂O₆SNa₂

Molecular Weight: 428

pH Value: 5.5-7.5

Grade: Pharmaceutical Grade

Solubility: 100mg/mL in Water

Main components: Ticarcillin Sodium and Clavulanate Potassium

Introduction

A new type of Gram-negative antibiotic, commonly used to inhibit the growth of Agrobacterium, can achieve good antibacterial and regeneration effects, especially in the embryogenic callus regeneration system.

Timentin Its components are ticarcillin sodium and potassium clavulanate. According to the effective acid, the ratio of ticarcillin sodium to potassium clavulanate is 15:1. Ticarcillin is a penicillin bactericidal agent, while clavulanic acid is an irreversible high-efficiency β -lactamase inhibitor. Many Gram-positive bacteria G⁺ and Gram-negative bacteria G⁻ can produce β -lactamases, which can destroy penicillin before it acts on pathogens. Clavulanic acid disrupts the bacterial defense barrier by blocking β -lactamase, restoring the sensitivity to ticarcillin. Potassium clavulanate has little antibacterial effect alone, but when combined with ticarcillin, it becomes an antibiotic with broad-spectrum bactericidal activity, suitable for empirical treatment of a wide range of bacterial infectious diseases.

Recommended concentration: 300 mg/L; 400 mg/L; 500 mg/L To achieve better results, it is recommended to set 3-5 gradients

Note: When sterility is required, only filtration sterilization can be used, not high pressure.

Note

1. Unless otherwise specified, the biochemical reagents produced by our company are generally non-sterile packaged. If they are to be used for cell experiments, please conduct pretreatment in advance.
2. The product information is for reference only. If you have any questions, please call 400-968-6088 for consultation.
3. The products are all for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store them in ordinary residential areas.
4. For your safety and health, please wear laboratory clothes, disposable gloves and masks to operate.