



Sultamicillin Tosilate 375 mg

Sultamicillin Tosilate 375 mg: Aingo Pharma

Sultamicillin Tosilate is a potent antibiotic formulation used primarily to treat a variety of bacterial infections. As a prodrug of ampicillin and sulbactam, [Sultamicillin Tosilate 375 mg](#) combines the efficacy of both substances to enhance bacterial eradication and reduce the potential for resistance. This comprehensive overview provides insights into the pharmacodynamics, benefits, and practical clinical uses of Sultamicillin Tosilate 375 mg, detailing why it is a preferred choice in specific therapeutic scenarios.

Understanding Sultamicillin Tosilate 375 mg

Chemical Composition and Mechanism

Sultamicillin Tosilate is a double ester of sulbactam and ampicillin that is orally administered. Upon ingestion, it is hydrolyzed in the intestine to release ampicillin and sulbactam, which are then absorbed into the bloodstream. Ampicillin is a broad-spectrum penicillin antibiotic that interferes with bacterial cell wall synthesis, leading to cell lysis and death. Sulbactam, a beta-lactamase inhibitor, extends the spectrum of ampicillin by inhibiting beta-lactamase enzymes that some bacteria produce to resist antibiotic action.