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TECHNICAL DATA SHEET (TDS)

Product: Imipenem Monohydrate Powder

Catalog Number: ASA-2012

CAS Number: 74431-23-5

Product Description

Imipenem Monohydrate is a broad-spectrum carbapenem antibiotic used in microbiology and antimicrobial research. It inhibits bacterial cell wall synthesis by binding to penicillin-binding proteins (PBPs).

Specifications

Appearance: White to off-white powder

Molecular Formula: C₁₂H₁₉N₃O₅S

Molecular Weight: 317.36 g/mol

CAS Number: 74431-23-5

Applications

- Microbiology research
- Antibiotic resistance studies
- Antimicrobial susceptibility testing
- Pharmaceutical research

Storage Conditions

Store at 2–8 °C in a dry, well-sealed container. Protect from moisture and light.

For laboratory research use only.