

Product Datasheet

GP9211 - Meropenem trihydrate,

USP grade

Precautionary Codes

P302+P350,
P305+P351+P338, P261

Pictograms

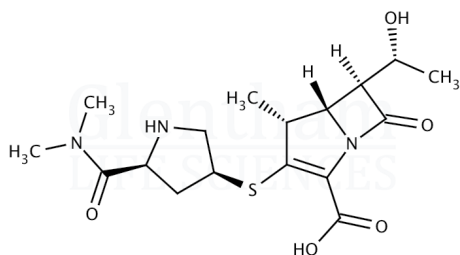


Product Details

Product Name	Meropenem trihydrate, USP grade
Glentham Code	GP9211
CAS Number	119478-56-7
MDL Number	MFC08600005
Additional CAS	96036-03-2 (anhydr.)
Related Categories	APIs, Antibiotics, Antimicrobials, Beta-Lactam Antibiotics

Structure

Molecular Weight	: 437.51
Molecular Formula	: $C_{17}H_{25}N_3O_5S \cdot 3H_2O$



Storage

Recommended storage temperature: -20°C.

Hazards and Transport

Not classified as dangerous for transport.	
CLP Classification	Skin Irr. 2, Eye Irr. 2A
Signal Word	Warning
Hazard Codes	H315, H319

Glentham Product Specification

Physical Description	: White, off-white or faint beige crystalline powder
Identification	: A, B according to USP
pH	: 4.0 - 6.0
Specific Optical Rotation ([α] _{20/D})	: -17 - -21 °
Water	: 11.4 - 13.4 %
Residue on Ignition	: ≤ 0.1%
Heavy Metals	: ≤ 10ppm
Individual Impurities	: ≤ 0.3% (anhydrous basis)
Any Other Impurity	: ≤ 0.1% (anhydrous basis)
Total Other Impurities	: ≤ 0.3%
Acetone	: ≤ 0.05%
Assay (HPLC)	: 98.0 - 101.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	: USP
Version	: v1.0

About Meropenem trihydrate, USP grade

Meropenem is a carbapenem antibiotic with broad-spectrum activity against gram-positive and gram-negative bacteria. It breaks down the bacterial cell wall by binding to penicillin-binding proteins and is resistant to degradation by beta-lactamases. Meropenem is used to treat meningitis, pneumonia and sepsis. This product is the trihydrate of meropenem.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024