

Product Datasheet

GP9211 - Meropenem trihydrate,

USP grade

Precautionary Codes

P302+P350,
P305+P351+P338, P261

Pictograms

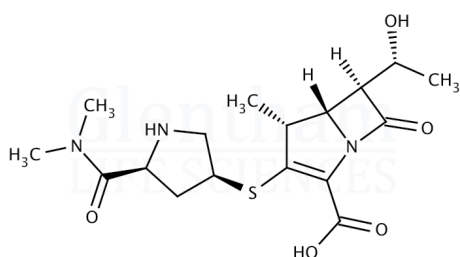


Product Details

Product Name	Meropenem trihydrate, USP grade
Glenthams Code	GP9211
CAS Number	119478-56-7
Numéro MDL	MFCD08600005
CAS supplémentaire	96036-03-2 (anhydr.)
Related Categories	APIs, Antibiotics, Antimicrobials, Beta-Lactam Antibiotics

Structure

Molecular Weight	: 437.51
Molecular Formula	: $C_{17}H_{25}N_3O_5 \cdot 3H_2O$



Glenthams 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] _D ²⁰)	: -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

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	Attention
Hazard Codes	H315, H319

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.

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