

Product Datasheet

GP7412 - Meropenem trihydrate

Pictograms

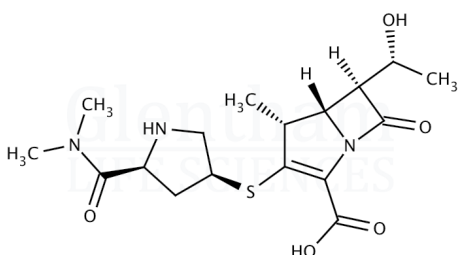


Product Details

Product Name	Meropenem trihydrate
Glentham Code	GP7412
CAS Number	119478-56-7
MDL Number	MFC08600005
Additional CAS	96036-03-2 (anhydr.)
PubChem SID	310276177
Related Categories	APIs, Antibiotics, Antimicrobials, Beta-Lactam Antibiotics

Structure

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



Glentham Product Specification

Physical Description	: White, off-white or faint beige crystalline powder
Solubility (2% in DMSO)	: Clear, colourless to very faint yellow solution
pH (1% in water)	: 4.0 - 6.5
Specific Optical Rotation ($[\alpha]_{20/D}$)	: -16.0 - -22.0 ° (c=1, water)
Water	: 11.0 - 13.5 %
Assay	: $\geq 98.0\%$ (anhydrous basis)
Version	: v1.1

About Meropenem trihydrate

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.

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
Precautionary Codes	P302+P350, P305+P351+P338, P261

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