

## Product Datasheet

### GP7412 - Meropenem trihydrate

Pictograms

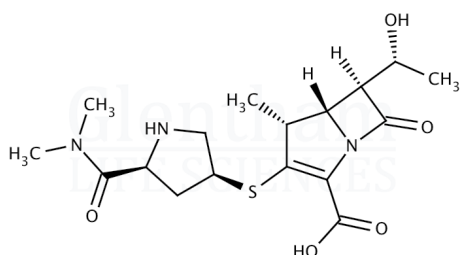


#### Product Details

|                    |                                                                  |
|--------------------|------------------------------------------------------------------|
| Product Name       | Meropenem trihydrate                                             |
| Glentham Code      | GP7412                                                           |
| CAS Number         | 119478-56-7                                                      |
| MDL-Nummer         | MFCD08600005                                                     |
| Zusätzliche CAS    | 96036-03-2 (anhydr.)                                             |
| PubChem SID        | 310276177                                                        |
| Related Categories | APIs, Antibiotics,<br>Antimicrobials, Beta-Lactam<br>Antibiotics |

#### Structure

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



#### 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                                | Achtung                            |
| Hazard Codes                               | H315, H319                         |
| Precautionary Codes                        | P302+P350,<br>P305+P351+P338, P261 |

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