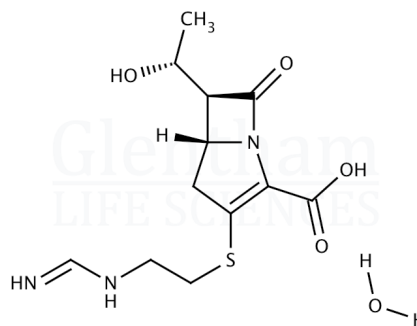


## Product Specification

Product Name	Imipenem monohydrate, 98%, EP grade
Glentham Code	GA7773
CAS Number	74431-23-5
EINECS	264-734-5
MDL Number	MFCD09753321
Additional CAS	64221-86-9
Molecular Weight	317.36
Molecular Formula	$C_{12}H_{17}N_3O_4S \cdot H_2O$
Storage Temp.	-20°C



Property	Specification
Physical Description	White, almost white, or pale yellow powder
Identification (IR)	To conform to standard
Appearance of Solution	To pass test
pH (0.5% in water)	4.5 - 7.5
Specific Optical Rotation	+90 - +95 °
Impurity A	≤ 1.0%
Any Other Individual Impurity	≤ 0.3%
Total Impurities	≤ 1.0% (exc. impurity A)
Water (KF)	5.0 - 8.0 %
Sulphated Ash	≤ 0.2%
Assay (HPLC)	98.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	EP
Specification Version	- v1.0
Date Created	- 2017-08-02

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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