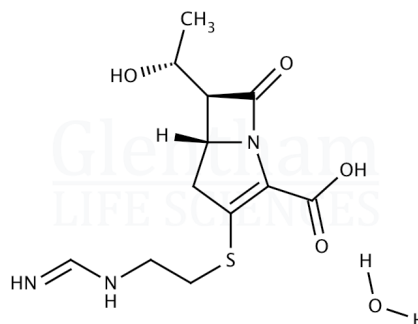


Product Specification

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 or contact us using the details above for the current version of this document.

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