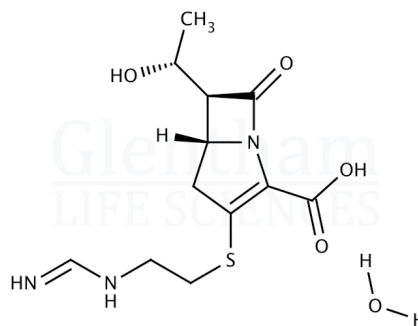


Certificate of Analysis

Product Name	Imipenem
Glentham Code	GA1119
CAS Number	74431-23-5
EINECS	264-734-5
MDL Number	MFCD09753321
Additional CAS	64221-86-9
PubChem SID	310275161
Batch Number	967YXL
Molecular Weight	299.35 (anhydrous)
Molecular Formula	$C_{12}H_{17}N_3O_4S \cdot xH_2O$
Storage Temp.	+4°C



Property	Specification	Batch 967YXL
Physical Description	White to light-yellow or beige powder	Light-yellow powder
Identification (IR)	To conform to standard	Conforms
Solubility (0.5% in water)	Clear, colourless to faint yellow solution	Clear, very faint yellow solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+80.0 - +90.0 ° (c=1, water)	+87.6°
Water (KF)	3.0 - 8.0 %	7.2%
Assay	≥ 97.5% (dried basis)	99.4%

Specification Version	v1.2
Manufacture Date	2023-11-24
Re-Test Date	2030-12-18

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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