



CERTIFICATE OF ANALYSIS

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1. Identification

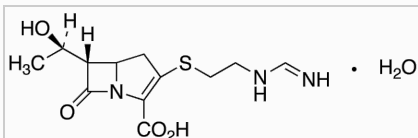
Catalogue Number: I465200

CAS Number: 74431-23-5

Product: Imipenem, Monohydrate

Synonym: MK-787

Structure:



Molecular Formula:

C₁₂H₁₇N₃O₄S • H₂O

Molecular weight:

299.35 + (18.01)

Source of Product:

N/A

Solubility:

DMSO (Slightly)

Lot Number: 1-MLM-65-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Light Yellow Solid	Pale Yellow to Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.80% (300 nm)
Elemental Analysis	Conforms	%C: 45.09, %H: 6.11, %N: 12.94
Water Content	Report Result	6.1%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Meenakshi Sharma	Toni Rantanen	Christina Gouliaras	12/14/2023	12/12/2027