



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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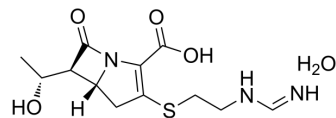
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Imipenem monohydrate (Standard)

Cat. No.:	HY-B1369R
CAS No.:	74431-23-5
Molecular Formula:	C ₁₂ H ₁₉ N ₃ O ₅ S
Molecular Weight:	317.36
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Imipenem (monohydrate) (Standard) is the analytical standard of Imipenem (monohydrate). This product is intended for research and analytical applications. Imipenem monohydrate, a stable crystalline derivative of thienamycin, is an antibiotic and has the excellent activity against a broad range of gram-positive and gram-negative aerobic and anaerobic bacteria. Imipenem monohydrate can be used for the research of carbapenem-nonsusceptible and *P. aeruginosa* biofilm infections^[1] [2][3].

REFERENCES

- [1]. Johann Motsch, et al. RESTORE-IMI 1: A Multicenter, Randomized, Double-blind Trial Comparing Efficacy and Safety of Imipenem/Relebactam vs Colistin Plus Imipenem in Patients With Imipenem-nonsusceptible Bacterial Infections. *Clin Infect Dis*. 2020 Apr 15;70(9):1799-1808.
- [2]. F P Tally, et al. In vitro activity of N-formimidoyl thienamycin (MK0787). *Antimicrob Agents Chemother*. 1980 Oct;18(4):642-4.
- [3]. Wang Hengzhuang, et al. In vivo pharmacokinetics/pharmacodynamics of colistin and imipenem in *Pseudomonas aeruginosa* biofilm infection. *Antimicrob Agents Chemother*. 2012 May;56(5):2683-90

Caution: Product has not been fully validated for medical applications. For research use only.

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