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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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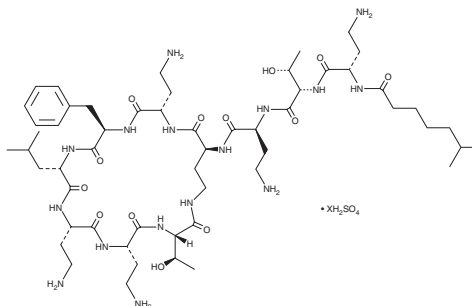
PRODUCT INFORMATION



Polymyxin B₂ (sulfate)

Item No. 39720

CAS Registry No.: 108965-69-1
MF: C₅₅H₉₆N₁₆O₁₃ • XH₂SO₄
FW: 1,189.5
Purity: ≥90%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years
Item Origin: Bacterium/*Pseudomonas* sp.



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Polymyxin B₂ (sulfate) is supplied as a solid. A stock solution may be made by dissolving the polymyxin B₂ (sulfate) in water. The solubility of polymyxin B₂ (sulfate) in water is approximately 50 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

Polymyxin B₂ is an antibiotic and a major constituent of the cationic lipopeptide antibiotic polymyxin B (Item No. 14157) originally isolated from *B. polymyxa*.¹ It is active against *P. aeruginosa*, *A. baumannii*, *K. pneumoniae*, and *E. cloacae* strains (MICs = 1-2, 0.5-1, 0.25-0.5, and 0.25-1 µg/ml, respectively). *In vivo*, polymyxin B₂ (4 mg/kg) reduces the number of blood colony-forming units (CFUs) in a mouse model of *P. aeruginosa* blood infection.

Reference

1. Roberts, K.D., Azad, M.A.K., Wang, J., *et al.* Antimicrobial activity and toxicity of the major lipopeptide components of polymyxin B and colistin: Last-line antibiotics against multidrug-resistant Gram-negative bacteria. *ACS Infect. Dis.* **1(11)**, 568-575 (2015).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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