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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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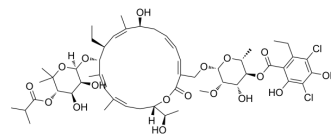
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Fidaxomicin (Standard)

Cat. No.:	HY-17580R
CAS No.:	873857-62-6
Molecular Formula:	C ₅₂ H ₇₄ Cl ₂ O ₁₈
Molecular Weight:	1058.04
Target:	Apoptosis; DNA/RNA Synthesis; Bacterial; Antibiotic
Pathway:	Apoptosis; Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Fidaxomicin (Standard) is the analytical standard of Fidaxomicin. This product is intended for research and analytical applications. Fidaxomicin (OPT-80), a macrocyclic antibiotic, is an orally active and potent RNA polymerase inhibitor. Fidaxomicin has a narrow spectrum of antibacterial activity and a good anti-*Clostridium difficile* activity (MIC₉₀=0.12 µg/mL). Fidaxomicin can be used for *Clostridium difficile* infection (CDI) research^{[1][2][3]}.

REFERENCES

- [1]. Poxton IR, et al. Fidaxomicin: a new macrocyclic, RNA polymerase-inhibiting antibiotic for the treatment of *Clostridium difficile* infections. *Future Microbiol.* 2010 Apr;5(4):539-48.
- [2]. Tannock GW, et al. A new macrocyclic antibiotic, fidaxomicin (OPT-80), causes less alteration to the bowel microbiota of *Clostridium difficile*-infected patients than does vancomycin. *Microbiology (Reading)*. 2010 Nov;156(Pt 11):3354-3359.
- [3]. Ackermann G, Löffler B, Adler D, Rodloff AC. In vitro activity of OPT-80 against *Clostridium difficile*. *Antimicrob Agents Chemother.* 2004 Jun;48(6):2280-2.
- [4]. Ackermann G, et al. In vitro activity of OPT-80 against *Clostridium difficile*. *Antimicrob Agents Chemother.* 2004 Jun;48(6):2280-2.

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

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