



SZABO SCANDIC

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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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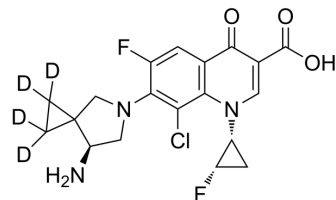
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Sitafloracin-d₄

Cat. No.:	HY-B0395S
Molecular Formula:	C ₁₉ H ₁₄ D ₄ ClF ₂ N ₃ O ₃
Molecular Weight:	413.84
Target:	Isotope-Labeled Compounds; Bacterial; Antibiotic
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Sitafloracin-d₄ (DU6859a-d₄) is deuterium labeled Sitafloracin. Sitafloracin (DU6859a) is a potent, orally active fluoroquinolone antibiotic. Sitafloracin shows antichlamydial activity and antibacterial activities against a broad range of gram-positive and gram-negative bacteria, including anaerobic bacteria, as well as against atypical pathogens. Sitafloracin can be used for the research of respiratory tract infection and urinary tract infection^{[1][2]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Okumura R, et al. Dual-targeting properties of the 3-aminopyrrolidinyl quinolones, DC-159a and sitafloracin, against DNA gyrase and topoisomerase IV: contribution to reducing in vitro emergence of quinolone-resistant Streptococcus pneumoniae. J Antimicrob Chemother. 2008 Jul;62(1):98-104.
- [3]. Dhople AM, et al. Activities of sitafloracin (DU-6859a), either singly or in combination with rifampin, against Mycobacterium ulcerans infection in mice. J Chemother. 2003 Feb;15(1):47-52.

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

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